PR	INT Name:	LAB Section:	6.	If the file bat contained the word foo, what is the output on your screen after this: PATH=/bin/cat:/bin/who:/bin/ls; cat bat
Test Version: 807 One-Answer Multiple Choice 218 Questions – 15 of 15% Read all the words of these instructions and both sides (back and front) of all pages. Manage your time. Answer questions you know, first. One Answer per question. Put your Name and Lab on this Question Sheet. You may write or draw on this sheet. Use your full, unabbreviated name on the mark-sense form. Do not abbreviate your name. Put the three-digit Test Version above into both NO. OF QUESTIONS and NO. OF STUDENTS Fill in the bubbles with pencil only, no pen. Enter your NAME, Test Version, and answers. The answer to the questions below about reading/doing all these test instructions is: Jes		7.	 a. no output on screen b. foo c. bat d. bash: cat: command not found e. cat: bat: No such file or directory How many arguments are passed to the command by the shell: echo "cow "y " bat 'man x' " pig'a "hop' a b a. 4 b. 5 c. 7 d. 6 e. 11 Which one of these names is usually a shell environment variable? 	
1.	- · · · · · · · · · · · · · · · · · · ·	uanian) b. Sim (Yes - Portuguese) garian) d. Jes (Yes - Esperanto)	9.	a. Foobar b. foobar c. fooBar d. FooBar e. FOOBAR What is the link count of file foo after these successful commands? rm foo; touch foo; In foo bar cp bar x; In x y; In bar z a. 3 b. 4 c. 1 d. 5 e. 2
2.	 a. The timetable section number of my weekly 2-hour lab period. b. My lab room number, e.g. B182, B119, J218, CA418 c. My lecture section number, e.g. 010 or 020. d. The Test Version number printed in the top left corner. e. My lecture room number, e.g. T117 		10. If 1 a. b. c.	If foo were a readable empty file, what is the output on your screen after this: PATH=/etc/passwd:/bin/ls:/bin/cat; /bin/cat foo a. bash: ls: command not found b. no output on screen c. bash: cat: command not found
3.		followed by two followed by one	11.	 d. bash: /bin/cat: command not found e. /bin/cat: foo: No such file or directory If /bin/foo is a program that outputs dad and /usr/bin/foo is a program that outputs mom what is the output on your screen after this: <pre>PATH=/usr:/etc:/bin:/usr/bin ; foo</pre> a. mom followed by dad
4.	What is in the local variable \$\$? a. \$\$\$ is not a valid variable name b. the cpu cost of the current session, in dollars c. the command name of the previous command line d. the first argument of the previous command line e. the process ID of the current shell		12.	b. bash: foo: command not found c. dad followed by mom d. dad e. mom 12. How many arguments are passed to the command by the shell: echo 'It's a bird! No! It's a plane!'
5.	How many arguments are passed to the command by t <pre></pre>	" ' >wc 9		a. 4 b. 5 c. 3 d. 1 e. 2

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13. If /bin/foo is a program that outputs mom and /usr/bin/foo is a program that outputs **dad** what is the output on your screen after this: PATH=/bin/foo:/usr/bin/foo:/usr; foo a. dad followed by mom b. dad c. bash: foo: command not found d. mom followed by dad e. mom 14. If file **foo** occupies one disk block, how many disk blocks are in use after this: cp foo bar ; ln bar one ; cp one two ; cp one xxx *a*. 3 b. 4 c. 2 d. 5 e. 1 15. In an empty directory, what is the output on your screen after this: touch 1 2 3; cow="*"; echo \$cow a. * b. 1 2 3 c. \$cow d. "*" e. "1 2 3" 16. Given this **ls** -il long listing: 123 drwxr-xr-x 456 me me 789 Jan 1 1:00 dir How many subdirectories lie immediately under dir? *b*. 787 a. 454 c. 456 d. 789 e. 123 17. How many files are touched? touch '1 "2 3 '4'" ' 5 a. 2 b. 4 c. 1 d. 5 e. 3 18. What is the link count of directory **z** after these successful commands? mkdir z; mkdir z/a z/a/b z/a/c z/a/d b. 2 d. 1 *a*. 5 c. 3 e. 4 19. If directory /a contains these seven two-character names: aa, ab, ac, ad, a?, a*, a., then which command removes only the single two-character name a? from the directory? b. rm /a/a[*] a. rm /a/a? c. rm /a/a* d. rm /a/a ?e. rm /a? 20. If I have a directory named /1/2, which action would increase its *link count* by exactly one? a. create one file named 1/2/3b. create a directory named /1/2 c. create a directory named /1/2/3 d. create one file named /1/22 e. create a directory named /1/22

22. If directory /a contains these seven two-character names; aa, ab, ac, ad, a?, **a***, **a.**, then which command removes *only* the single two-character name **a*** from the directory? a. rm /a/* b. rm /a/a* c. rm /a/a? d. rm "/a/a*" e. rm /a* 23. How many files are touched? touch "1 " 2 3" " ' ' a. 4 c. 6 d. 5 e. 3 24. What is the link count of directory **d** after these successful commands? mkdir d d/a d/b d/c d/c/z; touch d/x d/y *a*. 5 b. 6 c. 2 d. 4 e. 3 25. What is the output on your screen after this: echo hi >a ; cp a b | wc -w *a*. 3 b. 2 c. no output d. 0 e. 1 26. What is the link count of directory **dir** after these successful commands? mkdir dir ; cd dir ; touch one ; mkdir two b. 4 d. 1 c. 2 *a*. 5 e. 3 27. What is the link count of directory **dir** after these successful commands? mkdir dir ; cd dir ; touch a b c ; mkdir d e *a*. 3 b. 5 c. 2 d. 7 28. Which command removes *only* this five-character name containing a special character: date? a. rm date/? b. rm date\\? c. rm ./date? d. rm date* e. rm ./date\? 29. If you are in /etc and ls -1 shows a symbolic link bar -> ../foo then dereference the absolute path of **bar** with no symbolic links: b. /etc/foo/bar a. /foo c. /etc/foo d. /bar/foo e. /etc/bar/foo 30. File a contains 2 lines. File b contains 3 lines. How many lines are in file e after this: ln a d; cp a f; ln d c; ln c e; cat a b d f >e *a*. 3 b. 2 c. 5 d. 6 31. If files occupy one disk block, how many disk blocks will the system free up if I remove these four file names: 111 -rw-r--r-- 2 me me 100 Jan 1 1:00 a 111 -rw-r--r-- 2 me me 100 Jan 1 1:00 b 222 -rw-r--r-- 3 me me 100 Jan 1 1:00 c 222 -rw-r--r-- 3 me me 100 Jan 1 1:00 d h. 1 c. 0 d. 4 a. 3 e. 2

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c. 4

d. 2

e. 3

21. In an empty directory, how many words are in file **c** after this:

touch a b 1 b a ; ls >c

b. 1

a. 0

32. What is the link count of file **f** after these successful commands? rm f; touch f; ln f bar cp bar x ; ln x y ; ln bar z ; ln z a *a*. 5 b. 2 c. 4 d. 1 e. 3 a. 1 33. If /bin/prq is a program that outputs hi and /usr/bin/prq is a program that outputs **foo** what is the output on your screen after this: PATH=/etc:/usr/bin:/bin ; prq a. hi followed by foo b. bash: prg: command not found c. foo followed by hi d. foo e. hi 34. File a contains 3 lines. File b contains 4 lines. How many lines are output on your *a*. 3 screen by this: sort a | echo b *a*. 3 *b.* **3** followed by **4** c. 4 *d.* **3** followed by **1** e. 1 35. Which of these statements is true? a. Only backslashes are strong enough to stop GLOB patterns from expanding. b. Only double quotes are strong enough to stop GLOB patterns from expanding. c. If /y is an empty directory, echo /y/* produces an error message. d. Only single quotes are strong enough to stop GLOB patterns from expanding. e. If /x is an empty directory, sort /x/* produces an error message. 36. If directory /a contains these seven two-character names: aa, ab, ac, ad, a?, a*, a., then which command removes only the single two-character name a* from the directory? a. 6 a. rm /a/a? b. rm /a/* c. rm /a* d. rm /a/a* e. rm /a/a* 37. If files occupy one disk block, how many disk blocks will the system free up if I remove these four file names: 111 -rw-r--r-- 2 me me 1 Jan 1 1:00 a 111 -rw-r--r-- 2 me me 1 Jan 1 1:00 b a. 4 222 -rw-r--r-- 3 me me 1 Jan 1 1:00 c 222 -rw-r--r-- 3 me me 1 Jan 1 1:00 d b. 2 *a*. 3 c. 4 e. 1 38. In an empty directory, what is the output on your screen after this: echo hi >a ; ls | wc -w *a*. 2 *b*. 0 c. 1 d. a e. no output a. 1 39. How many arguments are passed to the command by the shell: <bar bar -b "-a" '-r' >bar bar bar mkdir d; mkdir d/a; mkdir d/a/b; mkdir d/a/c b. 4 a. 6 c. 5 d. 3 e. 7 a. 4

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40. What is the output on your screen after these command lines:
    echo 1 > x; \ln x y; echo 2 >> y
    head -1 \times y; cat y
                            b. 2
                                                    c. 1 followed by 2
    d. 2 followed by 1
                            e. no output
41. Which command removes only this four-character name containing a special
    character: *xvz
    a. rm ''*xyz''
                            b. rm *"xyz"
                                                    c. rm ''*xvz
    d. rm *xyz
                            e. rm "*xyz"
42. What is the link count of file f after these successful commands?
    rm f; touch f; ln f b; cp f c
    cpbx; lnxy; lnbz; lnza
                  b. 5
                                 c. 1
                                                d. 2
                                                              e. 4
43. File a contains 2 lines. File b contains 3 lines. How many lines are in file c after
    this: ln a d; ln b e; cp d e >c
                   b. 4
                                 c. 3
                                                d. 2
                                                              e. 5
44. What command will recursively find all pathnames named foo in /bin?
    a. ls -R 'foo' /bin
    b. find /bin -name 'foo'
    c. grep /bin -basename 'foo'
    d. find foo -name '/bin'
    e. grep 'foo' /bin
45. File a contains 2 lines. File b contains 3 lines. How many lines are in file c after
    this: ln a d; ln d c; cp c b; sort a b d >c
                  b. 5
                                 c. 0
                                               d. 2
                                                              e. 4
46. Which command shows the name of the current computer:
    a. history
                            b. whois
                                                    c. comname
    d hostname
                            e. find
47. How many arguments are passed to the command by the shell:
        <bat bat -b "-a -r" >bat bat bat
                   b. 6
                                                d. 5
                                 c. 7
                                                              e. 3
48. If files occupy one disk block, how many disk blocks will the system free up if I
    remove these four file names:
    111 -rw-r--r-- 1 me me 100 Jan 1 1:00 a
    222 -rw-r--r-- 2 me me 100 Jan 1 1:00 b
    333 -rw-r--r-- 2 me me 100 Jan 1 1:00 c
    444 -rw-r--r-- 1 me me 100 Jan 1 1:00 d
                   b = 0
                                                d 2
                                 c. 3
                                                              e. 4
49. What is the link count of directory d after these successful commands?
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c. 3

d. 5

e. 1

b. 2

echo one >x ; ln x y ; echo two >>y ; sort x a. two followed by one b. one d. no output c. two e. one followed by two

51. In an empty directory, how many words are in file **a** after this: echo It's redirected >b isn't it\? ; ls >a $b \cap$ a. 3 c. 1 d 4 e. 2

52. File a contains 2 lines. File b contains 3 lines. How many lines are in file c after this: sort a b >c; cat a >>b; cat c b >c a a. 12 h. 7 c. 0 d. 5 e. 8

53. What does *quoting* mean on a shell command line?

a. setting the **PS1** variable to be your shell prompt

b. using more than one pathname argument to a command, e.g. rm a b c

c. using a leading tilde ("~") on a pathname to mean your **HOME** directory

d. typing a "control" character using the [CTRL] key

e. turning off the special meaning of shell meta-characters

54. In an empty directory, what is the output on your screen after this:

touch 1 2 3; cow="*"; echo ""\$cow"" a. "1 2 3" b. "\$cow" c. 1 2 3 d. * e. \$cow

55. If I am in directory /tmp and mt is an empty sub-directory, what is true after this: touch mt/bar; mkdir mt/me; cp mt/bar mt/../me

a. the directory **mt** now contains only a file named **me**

b. there is a second copy of the file bar in file /tmp/me

c. the directory **mt** is now empty

d. the command fails because the name mt/.../me does not exist

e. there is a second copy of the file bar in directory mt

56. If you are in /bin and ls -1 shows a symbolic link foo -> /bar then dereference the absolute path of **foo** with no symbolic links:

a. /bin/bar b. /foo/bar d. /bar e. /bin/bar/foo

57. What is the output on your screen after this:

mkdir foo ; rmdir foo | wc -w

a. 0 b. no output c. 2 d. 1 e. 3

58. If directory dir contains only these five two-character names: a?, 11, ?1, 1*, .1, then which command removes only the single two-character name ?1 from the directory?

a. rm dir/?1 b. rm dir/?? d. rm dir/*1 e. rm dir/\?? c. rm dir/1*

c. /bin/foo/bar

b. nothing (empty file) a. nosuchfile c. 1 d. out e. 0

60. File a contains 2 lines. File b contains 3 lines. How many lines are in file c after this: ln a e; ln b d; ln d c; cp d e; sort a b e d >c b. 7 a. 12 c. 4 d. 6 e. 10

61. What is the link count of directory **d** after these successful commands?

mkdir d; cd d; touch a; mkdir b c a. 6 h. 2 c. 4 d. 3 e. 5

62. If you are in /etc and ls -1 shows a symbolic link bar -> foo then dereference the absolute path of **bar** with no symbolic links:

a. /etc/foo/bar b. /bar/foo c. /etc/bar/foo d. /foo e. /etc/foo

63. In an empty directory, what is the output on your screen after this:

touch 1 2 3; cow="*"; echo "\$cow" a. "\$cow" *b*. 1 2 3 c. \$cow d. "1 2 3"

64. Which command line shows the current date?

a date | bash h bash date

c. bash <date d. bash >date ; cat date

e. echo date | bash

65. What is in file **out** after this:

echo me >a ; ln a b ; echo hi >b ; ln a out ; rm a b *b.* nothing (empty file) a. hi d. no such file (nonexistent) c. me

e. 5

e. me followed by hi

66. What is the link count of directory **d** after these successful commands?

mkdir d; mkdir d/a; touch d/b h. 2 a. 1 c. 3 d. 4

67. What is true about this output from 1s -il foo bar?

15 -rwxrwxrwx 2 bin bin 3 Jul 31 12:33 foo

15 -rwxrwxrwx 3 bin bin 3 Jul 31 12:33 bar

a. foo and bar are names for the same file

b. foo and bar each have three names (six names total)

c. **foo** and **bar** are two of three names for the same file

d. this output is not possible

e. foo and bar are names for different files

68. How many arguments are passed to the command by the shell:

echo " 1 '2 3' 4 "5 6 ' 7 "8 ' >out

a. 6

b. 4

c. 2

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d. 3

e. 5

69. If directory /a contains these seven two-character names; aa, ab, ac, ad, a*, a?, ??, then which command removes only the single two-character name a? from the directory?

a. rm '/a/a?'

b. rm /a/a?

c. rm /a\?

d. rm "/a?"

e. rm /a/?\?

70. File a contains 2 lines. File b contains 3 lines. How many lines are in file c after this: ln a d; ln d c; cat a b >c

a. 4

b. 5

c. 0

d. 3

71. The option to **1s** that shows inode (index) numbers is:

b. -a

c. -i

e. -1

e. 9

e. 2

72. How many arguments are passed to the command by the shell:

echo " 1 2 " three ' 4 ' five"6"

a. 1

b. 3

c. 4

d. 5

73. What is the link count of file \mathbf{f} after these successful commands?

rm f; touch f; ln f bar

cp bar x ; ln x y ; ln bar z

b. 3

c. 2

d. 4

e. 5

74. If files occupy one disk block, how many disk blocks will the system free up if I remove these four file names:

111 -rw-r--r-- 1 me me 100 Jan 1 1:00 a

222 -rw-r--r-- 1 me me 100 Jan 1 1:00 b

444 -rw-r--r-- 2 me me 100 Jan 1 1:00 c

444 -rw-r--r-- 2 me me 100 Jan 1 1:00 d

a. 2

b. 1

c. 0

e. 4

75. What is true about this output from ls -il foo bar

15 -r-x---- 2 me me 3 Jan 1 1:00 foo

99 -r-x---- 2 me me 3 Jan 1 1:00 bar

a. this output is not possible

b. foo and bar are names for the same file

c. **foo** and **bar** are names for different files

d. foo and bar each have three names (six names total)

e. foo and bar are two of three names for the same file

76. If files occupy one disk block, how many disk blocks will the system free up if I remove these four file names:

111 -rw-r--r-- 2 me me 100 Jan 1 1:00 a

222 -rw-r--r-- 2 me me 100 Jan 1 1:00 b

333 -rw-r--r-- 2 me me 100 Jan 1 1:00 c

444 -rw-r--r-- 2 me me 100 Jan 1 1:00 d

a. 0

b. 1

c. 4

d. 3

e. 2

77. File a contains 2 lines. File b contains 3 lines. How many lines are in file c after this: ln a e; ln b d; ln d c; cat e b >c

a. 3

h. 4

c. 5

e. 2

e. 7

78. How many arguments are passed to the command by the shell:

<cow cow "-x "-y '-z' >cow cow

a. 5

b. 6

c. 3

d. 4

79. Dereference the following symlink **xyz** into its equivalent absolute path:

ln -s ../../a/./b/../bar /tmp/a/b/xyz

a. /tmp/bar

b. /tmp/a/bar

c. /tmp/b/xyz

d. /tmp/a/b/bar

e. /tmp/b/bar

80. If you are in /bin and ls -1 shows a symbolic link foo -> dir/bar then dereference the absolute path of **foo** with no symbolic links:

a. /foo/dir/bar

b. /dir/bar

c. /bin/dir/bar/foo

d. /bin/foo/dir/bar

e. /bin/dir/bar

81. What is the link count of directory **dir** after these successful commands?

mkdir dir ; touch foo ; cd dir ; ln ../foo bar

a. 2

b. 3

c. 4

d 5

e. 1

e. 4

82. How many arguments are passed to the command by the shell:

<f z " a 'b c' d " 1 2 ' q " h " ' >z

b. 3

c. 5

e. 2

a. 4 83. How many files are touched? touch 1 "2 3" ' 4 ' 5

a. 3

b. 7

c. 6

d. 5

84. What is in file **foo** after this:

echo hi >a ; ln a b ; echo me >b ; ln a foo ; rm a b

a. no such file (nonexistent)

b. me

c. hi

d. nothing (empty file)

e. hi followed by me

85. What is the output of this in an empty directory:

touch 1 13 .13 2 213 3 30 39 .31; echo [13]?

a. 1 13 3 30 39

b. 13 30 39

c. [13]?

d. an error message from **echo** saying [13]? does not exist

e. 13

a. 1

86. If files occupy one disk block, how many disk blocks will the system free up if I remove these four file names:

111 -rw-r--r-- 1 me me 100 Jan 1 1:00 a

222 -rw-r--r-- 3 me me 100 Jan 1 1:00 b

222 -rw-r--r-- 3 me me 100 Jan 1 1:00 c 222 -rw-r--r-- 3 me me 100 Jan 1 1:00 d

b. 3

c. 4

d. 0

e. 2

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87. How many arguments are passed to the command by the shell:
                                                                             94. The correct syntax to assign to a shell variable is:
        echo " one '2 three' 4 "five 6 ' 7 "8 ' >out
                                                                                 a. V = "foo bar"
                                                                                                                     h V = foo bar
                  h. 4
                                c. 2
                                               d. 3
    a. 5
                                                                                                                     d. V=foo bar
                                                             e. 6
                                                                                 c. V="foo bar"
                                                                                 e. "V=foo bar"
88. If files occupy one disk block, how many disk blocks will the system free up if I
    remove these four file names:
                                                                             95. In an empty directory, what is in file count after this:
    111 -rw-r--r-- 1 me me 100 Jan 1 1:00 a
                                                                                     ls ??? | wc -w >count
    222 -rw-r--r-- 1 me me 100 Jan 1 1:00 b
                                                                                 a. 1 1 2
                                                                                                                     h. 1
    333 -rw-r--r-- 1 me me 100 Jan 1 1:00 c
                                                                                                                     d. 1 1 1
                                                                                 c. 0
    444 -rw-r--r-- 2 me me 100 Jan 1 1:00 d
                                                                                 e. nothing (empty file)
                  b. 4
                                               d. 3
    a. 2
                                c. 0
                                                             e. 1
                                                                             96. If you are in /bin and ls -l shows a symbolic link bar -> ../dir/foo
89. If your PATH contained only the file names /bin/sh, /bin/cat, and
                                                                                 then dereference the absolute path of bar with no symbolic links:
    /bin/ls, then what is the output on your screen of this command:
                                                                                                                     b. /dir/foo
                                                                                 a. /bin/bar/dir/foo
        cat /etc/passwd
                                                                                 c. /bin/dir/foo/bar
                                                                                                                     d. /bar/../dir/foo
    a. cat: bash: no such file or directory
                                                                                 e. /bin/dir/foo
    b. bash: /bin/sh: command not found
                                                                             97. What is the output on your screen after this:
    c. cat: /etc/passwd: command not found
                                                                                     PATH=/bin/cat:/bin/sh:/bin/ls; ls nosuchfile
    d. bash: /bin/cat: no such file or directory
                                                                                 a. bash: /bin/ls: command not found
    e. bash: cat: command not found
                                                                                 b. ls: /bin/ls: command not found
90. In an empty directory, what is the output on your screen after this:
                                                                                 c. bash: /bin/sh: No such file or directory
        echo one >.bar; echo .????*
                                                                                 d. bash: 1s: command not found
    a. an error message from echo saying .????* does not exist
                                                                                 e. ls: nosuchfile: No such file or directory
    b. .bar
                                                                             98. What is the link count of directory a after these successful commands?
    c. .. .bar
                                                                                     mkdir a ; mkdir a/b ; mkdir a/c ; mkdir a/b/c
    d. one
                                                                                 a. 2
                                                                                                b. 1
                                                                                                              c. 5
                                                                                                                            d. 4
                                                                                                                                          e. 3
    e. ????*
                                                                             99. Which command line always prints just the two characters $x on the screen?
91. What is the link count of file foo after these successful commands?
                                                                                 a. echo '$x'
                                                                                                         b. echo $$x
                                                                                                                                 c. echo "$x"
    rm foo ; touch foo ; ln foo bar
                                                                                 d. echo $x
                                                                                                         e. echo "$$x"
    cp bar x ; ln x y ; ln bar z ; ln z a
                                                                             100. What is in file c after this:
                  b. 1
                                c. 5
                                               d. 2
                                                             e. 3
    a. 4
                                                                                     echo B >b ; ln b a ; echo A >a ; ln a c ; rm a b
92. If your PATH variable contains /bin:/usr/bin, what is the output of this:
                                                                                                                     b. no such file (nonexistent)
                                                                                 a. A
        echo '$PATH'
                                                                                 c. B
                                                                                                                     d. A followed by B
    a. 'SPATH'
                                                                                 e. nothing (empty file)
    b. '/bin:/usr/bin'
                                                                             101. What is the link count of directory dir after these successful commands?
    c. $PATH
                                                                                     mkdir dir ; mkdir dir/foo ; touch dir/bar
    d. /bin:/usr/bin
                                                                                                b. 3
                                                                                                              c. 2
                                                                                                                            d. 4
                                                                                 a. 5
                                                                                                                                          e. 1
    e. echo: $PATH: No such file or directory
                                                                             102. What is the link count of file f after these successful commands?
93. What is the output on your screen after these command lines:
                                                                                 rm f; touch f; ln f b; cp f q
    echo one >x ; ln x y ; echo ten >y
                                                                                 cpba; lnad; lnbc; cpcg
    echo two >x ; cat y
                                                                                               b. 4
                                                                                                             c. 3
                                                                                                                            d. 5
                                                                                 a. 1
                                                                                                                                           e. 2
    a. one followed by ten and two
                                        b. no output on screen
                                        d. two
    c. ten
    e. one
```

1 Minute Per Question

c. foo

e. foo followed by xx

a. PATH=/usr/bin/.:\$HOME

c. PATH=./\$HOME:/usr/bin

e. \$PATH=/usr/bin:./bin

d. **xx**

e. 1s

e. 3

e. 7

4 5

b. \$PATH=.:\$HOME:/usr/bin

d. PATH=/bin:/usr/bin:.

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103. What is the output on your screen after these command lines: 109. In an empty directory, what is the output on your screen after this: echo one >x ; ln x y ; echo two >y echo one >.bar ; ls .????* echo ten >x ; cat y a. one a. one followed by two and ten b. ten b. an error message from 1s saying .????* does not exist c. two d. one c. .. .bar e. no output on screen d. .bar e. .????* 104. If files occupy one disk block, how many disk blocks will the system free up if I remove these four file names: 110. What command will recursively show disk usage in directories? 111 -rw-r--r-- 1 me me 100 Jan 1 1:00 a a. find h. df c. tree 222 -rw-r--r-- 1 me me 100 Jan 1 1:00 b 111. What is the link count of file **a** after these successful commands? 333 -rw-r--r-- 1 me me 100 Jan 1 1:00 c ln ad; cp af; ln dc; ln fg; ln ce 444 -rw-r--r-- 1 me me 100 Jan 1 1:00 d *b*. 5 a. 1 c. 4 d. 2 a. 4 h. 1 d. 3 c. 0 e. 2 "2 3" ' ' 112. How many files are touched? touch 1 105. How many arguments are passed to the command by the shell: a. 5 h. 4 c. 3 d. 6 echo 'It's a bird! It's a plane!' 113. What is in file **c** after this: h. 3 c. 2 d. 5 a. 1 e. 4 echo foo >a ; ln a b ; echo bar >>b ; ln a c ; rm a 106. If /bin/foo is a program that outputs mom and /usr/bin/foo is a program a. no such file (nonexistent) b. foo that outputs **dad**, what is the output on your screen after this: c. **foo** followed by **bar** *d.* nothing (empty file) PATH=/dev:/usr/bin:/usr:/bin:/etc; /bin/foo e. bar a. mom 114. If /bin/foo is a program that outputs one and /usr/bin/foo is a program b. bash: /bin/foo: command not found that outputs **two**, what is the output on your screen after this: c. **dad** followed by **mom** PATH=/etc:/usr/bin:/usr:/bin:/dev ; foo d. mom followed by dad a. two e. dad b. bash: foo: command not found 107. If /bin/foo is a program that outputs one and /usr/bin/foo is a program c. two followed by one that outputs **two**, what is the output on your screen after this: d. one PATH=/bin/ls:/home:/usr/bin/cat:/etc ; foo e. one followed by two a. bash: foo: command not found 115. If /bin/pig is a program that outputs **xx** and /usr/bin/pig is a program h. two that outputs **foo** what is the output on your screen after this: c. two followed by one PATH=/home:/bin:/dev:/usr/bin; pig d one a. bash: pig: command not found e. one followed by two b. **xx** followed by **foo** 108. If files occupy one disk block, how many disk blocks will the system free up if I

remove these four file names:

333 -rw-r--r-- 2 me me 100 Jan 1 1:00 d

b. 4 d. 2 a. 1 c. 3 e. 0 116. Which command line allows programs in the current directory to execute without preceding the names with ./? (P.S. Security Risk! Don't do this!)

- c. the absolute path of the system **/home** directory
- d. the relative path of the ROOT directory
- e. the absolute path of your login home directory

123. If the file **bat** contained the word **foo**, what is the output on your screen after this: PATH=/etc/passwd:/bin/ls:/bin/cat; /bin/ls bat

a. no output on screen

- b. bash: /bin/ls: command not found
- c. foo
- d. bat
- e. /bin/ls: bat: No such file or directory

124. What is the link count of directory **x** after these successful commands?

mkdir x ; mkdir x/y ; mkdir x/z ; mkdir x/y/z *a*. 3 d. 4 h. 2 c. 5 e. 1

125. What is the link count of file **foo** after these successful commands? rm foo ; touch foo ; ln foo bar ; ln bar x

cp bar a ; ln a b ; ln x c ; cp c d h. 2 c. 4 d. 5 a. 1

126. What is the link count of an empty directory?

a. 1 h. 2

c. 4

d. 3

e. 0

e. 3

131. What is the link count of directory **foo** after these successful commands?

mkdir foo ; cd foo ; touch a b c

b. 5 a. 2

c. 3

d. 1

132. What is the link count of directory **d** after these successful commands?

mkdir d; mkdir d/a d/b; touch d/c d/e d. 4

a. 3 b. 1

c. 5

e. 1

e. 4

e. 2

133. Rewrite as a simplified absolute path:

/../../var/./a/../../var/b/../../etc/./bar/../foo b. /var/foo a. /etc/bar/foo c. /var/b/foo

d. /var/a/foo

e. /etc/foo

134. File a contains 2 lines. File b contains 3 lines. How many lines are in file c after this: ln a d; ln d e; ln b f >c

a. 5

b. 0

c. 3

d. 4 e. 2

135. How do you execute the program **foo** in the current directory?

a. foo/

b. \$HOME/foo

c. ./foo

d. foo/.

e. /foo

e. 2

e. 4

e. 0

e. 4

e. 3

c. rm ''?xyz''

```
136. What is the link count of file f after these successful commands?
                                                                               146. If mt is an empty sub-directory, what is true after this:
        cp f x ; ln f a ; ln x y ; ln a z ; ln a b
                                                                                        touch mt/bar; mkdir bar; mv mt/bar mt/../bar/me
                   b. 6
                                 c. 5
                                                d. 3
                                                                                    a. the mkdir fails because bar already exists
    a. 2
                                                               e. 4
                                                                                    b. the directory mt is now empty
137. What is the output on your screen after this:
                                                                                    c. the directory mt now contains only a file named me
        echo 1 >x ; ln x y ; echo 2 >>y ; sort x
                                                                                    d. there is a second copy of the file bar in the file named me
                             b. no output
    a. 1 followed by 2
                                                     c. 2 followed by 1
                                                                                    e. the command fails because the name mt/../bar/me does not exist
    d. 1
                             e. 2
                                                                               147. What is the link count of directory z after these successful commands?
138. If /bin/xxx is a program that outputs one and /usr/bin/xxx is a program
                                                                                        mkdir z ; cd z ; touch a ; ln a b ; ln a c
    that outputs two, what is the output on your screen after this:
                                                                                                   b. 3
                                                                                                                                d. 1
        PATH=/etc:/usr/bin:/usr:/bin ; /bin/xxx
                                                                                    a. 4
                                                                                                                 c. 5
    a. two followed by one
                                                                               148. Which command removes only this four-character name containing a special
                                                                                    character: ?xyz
    b. two
    c. bash: /bin/xxx: command not found
                                                                                    a. rm '?xyz'
                                                                                                            b. rm ?xyz
    d. one
                                                                                    d. rm ?'xyz'
                                                                                                            e. rm ''?xyz
    e. one followed by two
                                                                               149. In an empty directory, what is in file foo after this:
139. What is the link count of file f after these successful commands?
                                                                                        echo hi >foo ; ls nosuchfile | cat >foo
    rm f; touch f; ln f bar
                                                                                    a. nothing (empty file)
    cp bar x ; ln x y ; ln y z
                                                                                    h. foo
    a. 0
                  b. 1
                                                d. 2
                                 c. 3
                                                               e. 4
                                                                                    c. ls: cannot access nosuchfile
                                                                                    d hi
140. In an empty directory, what is the output on your screen after this:
        touch A a ; echo * ">*"
                                                                                    e. nosuchfile
    a. A a >*
                             b. A a
                                                     c. A a >A a
                                                                               150. What is the link count of file f after these successful commands?
    d. No output
                             e. * >*
                                                                                    rm f; touch f; ln f a; ln a b
                                                                                    cpfc; lncx; rmb; mvab
141. Rewrite as a simplified absolute path:
                                                                                                  b. 1
                                                                                    a. 3
                                                                                                                 c. 2
                                                                                                                                d. 0
    /usr/./bin/../lib/../../etc/../usr/./lib/../bin/./bar
                            b. /usr/bin/bar
    a. /usr/lib/bar
                                                     c. /etc/bar
                                                                               151. What is the link count of file foo after these successful commands?
    d. /usr/bar
                             e. /bar
                                                                                    rm foo ; touch foo ; ln foo bar
                                                                                    cp bar x ; ln x y ; ln y z
142. How many arguments are passed to the command by the shell:
                                                                                    a. 4
                                                                                                  h. 3
                                                                                                                                d. 2
                                                                                                                 c. 1
        <foo foo -x " " -z -r" " >foo 'foo foo'
    a. 8
                   h. 9
                                                d. 7
                                                                               152. Which of the following PATH statements makes the most sense?
                                 c. 5
                                                               e. 6
                                                                                    a. PATH=/bin:/usr/bin:/etc/passwd
143. Rewrite as a simplified absolute path:
    /home/me/../you/../../etc/../home/me/../you/../me/../foo
                                                                                    b. PATH=/bin:/etc/passwd:/usr/bin
                                                                                    c. PATH=/bin/ls:/etc/passwd:/usr/bin
    a. /home/foo
                                         b. /foo
                                                                                    d. PATH=/bin:/usr/bin
    c. /etc/foo
                                         d. /home/me/foo
                                                                                    e. PATH=/bin/bash:/usr/bin:/bin
    e. /home/you/foo
                                                                               153. What is the link count of directory d after these successful commands?
144. In an empty directory, what is the output on your screen after this:
                                                                                        mkdir d; touch f; cd d; ln ../f x
        touch A a : echo * >"*" : ls
                                                                                    a. 2
                                                                                                  b. 1
                                                                                                                 c. 3
                                                                                                                                d. 5
    a. * >*
                             b. No output
                                                     c. A a >*
    d. * A a
                             e. A a >A a
                                                                               154. How many arguments are passed to the command by the shell:
                                                                                        echo " 1 2 "three ' 4 ' five"6"
145. How many arguments are passed to the command by the shell:
                                                                                                   h. 9
         <cow cow "-x" -y '-z' >cow cow
                                                                                    a. 1
                                                                                                                 c. 4
                                                                                                                                d. 5
    a. 4
                   b. 5
                                 c. 6
                                                d. 3
                                                               e. 2
```

```
155. What displays on your screen given this command:
         date >date ; pwd >pwd ; head date | tail pwd
    a. tail reads the pipe and the pwd and displays both together
    b. only the date displays because tail ignores the pipe
    c. nothing displays because tail ignores the pipe
    d. only the pwd displays because tail ignores the pipe
    e. head displays the date and tail displays the pwd
156. How many arguments are passed to the command by the shell:
         echo 'And it's not hard, it's just logical.'
                    b. 4
    a. 3
                                    c. 5
                                                    d. 7
                                                                    e. 6
157. Which of the following is true, given this long directory listing:
         drwxr-x--x 128 me me 32 Jan 1 1:00 dir
    a. The number 32 is the count of links (names) this directory has.
    b. The number 32 is the size of this directory.
    c. The number 128 is the size of this directory.
    d. The number 128 is the inode number of this directory.
    e. The number 32 is the inode number of this directory.
158. How many arguments are passed to the command by the shell:
         <foo foo " a 'b c' d " e f ' q " h " ' >foo
                    h. 4
    a. 5
                                    c. 2
                                                    d. 3
                                                                    e. 6
159. What is the output on your screen of this unquoted command line:
         mkdir a; touch b a/b1 a/b2; find a -name b*
    a. a/b1 a/b2
                               b. b1 b2
                                                         c. b
    d. b a/b1 a/b2
                               e. no output
160. You enter this cp a/b c/
     and get cp: a: No such file or directory
    because:
    a. you forgot to specify the destination file name after c/
    b. the command cp is not in your search PATH
    c. directory a does not exist
    d. directory c does not exist
    e. pathname a exists but is a file, not a directory
161. What is the output of this in an empty directory:
         date >.date ; users >.users ; echo .?*
    a. an error message from echo saying .?* does not exist
    b. .date
    c. . . .date .users
    d. .date .users
    e. .?*
```

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```
162. Which command line below shows only lines 6-10 of file foo?
                                         b. tail -15 foo | head -5
    a. head -6 foo | tail -10
    c tail -10 foo | head -6
                                         d. head -10 foo | tail -5
    e. head -10 foo | tail -6
163. What is the output on your screen after this: echo hi >out | wc -w
    a. 1
                             b. 0
                                                     c. 2
    d. no output
                             e. 3
164. If mt is an empty sub-directory, what is true after this:
        touch bar; mkdir foo; mv mt/../bar mt/foo
    a. the directory foo now contains a file named bar
    b. the directory mt now contains a file named bar
    c. the command fails because mt/foo is not a directory
    d. the directory mt is still empty
    e. the directory mt now contains a file named foo
165. How many files are touched? touch '1 "2 3
                                                 '4'" '5
                   h. 4
    a. 1
                                  c. 3
                                                 d. 5
                                                               e. 2
166. Which command line would show the index (inode) number of a file?
    a. find -i file
                             b. cat -i file
                                                     c. cat -1 file
    d. ls -i file
                             e. ls -1 file
167. What is in file c after this:
        echo A >a ; ln a b ; echo B >b ; ln a c ; rm a b
                                         b. no such file (nonexistent)
    a. A followed by B
    c. A
                                         d. nothing (empty file)
    e. B
168. If files occupy one disk block, how many disk blocks will the system free up if I
    remove these four file names:
    111 -rw-r--r-- 2 me me 100 Jan 1 1:00 a
    111 -rw-r--r-- 2 me me 100 Jan 1 1:00 b
    222 -rw-r--r-- 2 me me 100 Jan 1 1:00 c
    222 -rw-r--r-- 2 me me 100 Jan 1 1:00 d
                   b. 2
    a. 0
                                  c 1
                                                 d 3
                                                               e. 4
169. Which command line shows just the count of words in the file?
    a. wc file | awk '[print #2]'
    b. wc file | awk '{print 2}'
    c. wc file | awk '[print $2]'
    d. wc file | awk '{print $2}'
    e. wc file | awk '{print #2}'
170. To change to the parent directory, do this:
    a. cd
                             b. pwd ...
                                                     c cd .
    d. pwd
                             e. cd ..
```

a. 2

b. 4

d. 3

d. 2

d. 6

e. 1

e. 7

```
171. What is the link count of file f after these successful commands?
                                                                                  181. What is true about this output from ls -il foo bar
     rm f; touch f; cp f x
                                                                                      15 - r - x - - - 2 me me 3 Jan 1 1:00 foo
    ln fa; ln x y; ln az; ln x b
                                                                                      15 -rwxrwxrwx 2 me me 3 Jan 1 1:00 bar
    a. 3
                    b. 6
                                   c. 2
                                                  d. 4
                                                                 e. 5
                                                                                      a. this output is not possible
                                                                                      b. foo and bar are names for different files
172. How many arguments are passed to the command by the shell:
                                                                                      c. foo and bar are names for the same file
         echo ' one two ' three ' four ' 5'6'
                                                                                      d. foo and bar each have three names (six names total)
                    h 1
    a. 5
                                   c 4
                                                  d. 6
                                                                 e. 9
                                                                                       e. foo and bar are two of three names for the same file
173. What is the link count of directory d after these successful commands?
                                                                                  182. If files occupy one disk block, how many disk blocks will the system free up if I
         mkdir d; cd d; touch f; ln f a; ln f b
                                                                                      remove these four file names:
                                                  d. 2
    a. 1
                    b. 5
                                   c. 4
                                                                 e. 3
                                                                                      111 -rw-r--r-- 3 me me 100 Jan 1 1:00 a
174. Which command line makes pathnames /usr/local/bin and /usr/bin lead
                                                                                      111 -rw-r--r-- 3 me me 100 Jan 1 1:00 b
    to the same directory?
                                                                                       222 -rw-r--r-- 3 me me 100 Jan 1 1:00 c
    a. ln . /usr/local
                                          b. mkdir /usr/local
                                                                                       222 -rw-r--r-- 3 me me 100 Jan 1 1:00 d
    c. touch /usr/local
                                          d. ln -s . /usr/local
                                                                                      a. 2
                                                                                                      h. 4
                                                                                                                     c. 0
    e. rmdir /usr/local
                                                                                  183. If file foo occupies one disk block, how many disk blocks are in use after this:
175. What is true about this output from ls -il foo bar
                                                                                           cp foo bar ; ln bar one ; cp one two ; ln one pig
    15 -r-x---x 2 me me 3 Jan 1 1:00 foo
                                                                                                      b. 3
                                                                                                                     c. 4
                                                                                      a. 1
    15 - r - x - - - x + 2 me me 3 Jan 1 1:00 bar
                                                                                  184. If /bin/foo is a program that outputs one and /usr/bin/foo is a program
    a. foo and bar are names for different files
                                                                                      that outputs two, what is the output on your screen after this:
    b. foo and bar are names for the same file
                                                                                           PATH=/dev:/usr/bin:/usr:/bin:/etc; /bin/foo
    c. this output is not possible
                                                                                      a. bash: /bin/foo: command not found
    d. foo and bar are two of three names for this file
                                                                                      h. two
    e. foo and bar each have three names (six names total)
                                                                                      c. one followed by two
176. How many arguments are passed to the command by the shell:
                                                                                      d. one
         <bar bar -b"-a '-r' >bar" bar >out
                                                                                      e. two followed by one
    a. 3
                   b. 5
                                  c. 6
                                                  d 4
                                                                 e. 2
                                                                                  185. Which command line outputs inode/filename pairs for names in the current
177. If mt is an empty sub-directory, what is true after this:
                                                                                      directory, sorted by inode number?
         touch foo; mkdir bar; mv foo bar/mt
                                                                                      a. sort -n | ls -ai
                                                                                                                            b. ls -i * > sort -n
    a. the directory bar now contains a file named foo
                                                                                      c. ls -node * > sort -n
                                                                                                                            d. ls ./* | sort -node
    b. the command fails because bar/mt is not a directory
                                                                                      e. ls -ai | sort -n
    c. the directory mt now contains a directory named bar
                                                                                  186. What displays on your screen given this command:
    d. the directory mt now contains a file named foo
                                                                                           ls >ls ; wc ls >wc ; sort ls | cat wc
    e. the directory mt is still empty
                                                                                      a. nothing displays because cat ignores the pipe
178. File a contains 2 lines. File b contains 3 lines. How many lines are in file d (not in
                                                                                      b. sort displays the 1s and cat displays the wc
     c) after this:
                                                                                      c. cat reads the pipe and the wc and displays both together
     ln a d; ln dc; ln ce; cat a a b b c c d d e e >c
                                                                                      d. only the 1s displays because cat ignores the pipe
                    b. 2
                                   c. 10
                                                  d. 21
    a. 18
                                                                 e. 6
                                                                                       e. only the wc displays because cat ignores the pipe
179. Which option to ls displays the directory itself and not its contents?
                                                                                  187. How many arguments are passed to the command by the shell:
     a. -a
                    b. -i
                                   c. -1
                                                  d. -d
                                                                 e. -R
                                                                                           <piq piq -x " " -z -r" " >piq piq piq
180. If file one occupies one disk block, how many disk blocks are in use after this:
                                                                                      a. 9
                                                                                                      b. 5
                                                                                                                     c. 8
         cp one foo ; ln foo two ; ln two bar ; ln one cow
```

e. 5

c. 1

d. 3

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e. 4

e. 7

e. 3

```
188. In an empty directory, what is the output on your screen after this:
                                                                                   196. What is the resulting link count of empty directory dir after these successful
         echo one >.bar ; echo .??*
                                                                                       commands? cd dir; touch foo; ln foo one; ln foo two
    a. an error message from echo saying .??* does not exist
                                                                                                                                      d. 5
                                                                                       a. 3
                                                                                                       h. 1
                                                                                                                      c. 2
    b. .??*
                                                                                   197. Which of the following is true, given this long directory listing:
    c. one
                                                                                            drwxr-x--x 128 me me 32 Jan 1 1:00 dir
    d....bar
                                                                                       a. The number 32 is the count of links (names) this directory has.
    e. .bar
                                                                                       b. The number 128 is the size of this directory.
                                                                                       c. The number 32 is the inode number of this directory.
189. How many arguments are passed to the command by the shell:
         <foo foo " a 'b c' d " e ' f " g " ' >foo
                                                                                       d. The number 128 is the inode number of this directory.
                                                                                       e. The number 128 is the count of links (names) this directory has.
                    h. 5
    a. 4
                                   c. 2
                                                   d. 6
                                                                  e. 3
                                                                                   198. If I have a directory named a/b, which action would increase its link count by
190. If /bin/foo is a program that outputs hi and /usr/bin/foo is a program
    that outputs mom what is the output on your screen after this:
                                                                                       exactly one?
         PATH=/etc:/usr/bin:/bin ; foo
                                                                                       a. create a hard link to directory b named b2
    a. hi followed by mom
                                                                                       b. create a directory named a/b2
    h. mom
                                                                                       c. create a directory named a/b/c
    c. bash: foo: command not found
                                                                                       d. create a file named a/b2
    d. mom followed by hi
                                                                                       e. create a file named a/b/c
                                                                                   199. If /bin/bat is a program that outputs foo and /usr/bin/bat is a program
                                                                                       that outputs hi what is the output on your screen after this:
191. If your terminal type is xterm, what is the output of this: echo '$TERM'
                                                                                            PATH=/usr:/usr/bin:/bin ; bat
                                           b. STERM
    a. xterm
                                           d. '$TERM'
                                                                                       a. bash: bat: command not found
    c. 'xterm'
                                                                                       b. hi followed by foo
    e. no output on screen
                                                                                       c. foo followed by hi
192. What is the link count of file f after these successful commands?
                                                                                       d. hi
    rm f; touch f; cp f x
                                                                                       e. foo
    lnfa; lnxy; lnaz; lnzq
                   b. 6
                                  c. 2
                                                  d. 3
                                                                                   200. Which command usually goes in your .bash_profile file?
                                                                  e. 4
                                                                                       a. .bash_profile source
                                                                                                                              b. .bashrc source
193. In an empty directory, what is the output on your screen after this:
                                                                                       c. cat .bashrc
                                                                                                                              d. source ./.bashrc
         touch a : ls | wc -w
                                                                                       e. source ./.bash_profile
    a. no output
                              b. 3
                                                        c. 1
    d. 2
                              e. 0
                                                                                   201. How many files are touched? touch "1" 2 3 " " 4 5
                                                                                       a. 6
                                                                                                       h. 4
                                                                                                                      c. 3
                                                                                                                                      d. 5
194. In an empty directory, what is the output on your screen after this:
         echo one >.bar; echo .?*
                                                                                   202. If /bin/pig is a program that outputs hi and /usr/bin/pig is a program
                                                                                       that outputs foo what is the output on your screen after this:
    a. .bar
                                                                                            PATH=/etc:/usr/bin:/bin; pig
    b. one
    c. an error message from echo saying .?* does not exist
                                                                                       a. foo followed by hi
    d. .?*
                                                                                       b. hi
    e. .. .bar
                                                                                       c. bash: pig: command not found
                                                                                       d. foo
195. In an empty directory, what is the output on your screen after this:
        touch 1 2 3; cow="*"; echo '$cow'
                                                                                       e. hi followed by foo
    a. 1 2 3
                              b. $cow
                                                       c. '1 2 3'
                                                                                   203. How many files are touched? touch 1 "2 3
    d. '$cow'
                              e. *
                                                                                                       h. 2
                                                                                       a. 4
                                                                                                                                      d. 5
                                                                                                                      c. 1
```

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e. 3

e. 2

204. What is the link count of directory **z** after these successful commands? 212. In an empty directory, what is the output on your screen after this: mkdir z ; cd z ; touch a b ; mkdir c d e echo one >.bar ; echo .* *b*. 6 d. 5 *a*. 3 c. 7 e. 4 a. .* b.bar 205. If /bin/bat is a program that outputs foo and /usr/bin/bat is a program c. one that outputs **bar** what is the output on your screen after this: PATH=/usr:/usr/bin:/bin; bat d. an error message from echo saying .* does not exist e. .bar a. foo h bash: bat: command not found 213. What is the link count of directory **z** after these successful commands? mkdir z ; mkdir z/a ; touch z/b z/c z/d c. bar followed by foo d. bar h. 2 d. 5 a. 4 e. foo followed by bar 214. What is the link count of directory **d** after these successful commands? 206. Create a symbolic link under /usr named bar that has target xy: mkdir d; mkdir d/a; mkdir d/b; mkdir d/b/c a. ln -s 'xy' '/usr/bar' *a*. 5 c. 3 d. 4 b. ln -s /usr/bar 'xy' 215. If /bin/xxx is a program that outputs one and /usr/bin/xxx is a program c. ln -s '/usr/xy' /usr/bar that outputs **two**, what is the output on your screen after this: d. ln -s /usr/bar '/usr/xy' PATH=/bin/xxx:/usr/bin/xxx:/etc/passwd ; xxx e. ln -s 'xy' /bar/usr a. bash: xxx: command not found b. one followed by two 207. If files occupy one disk block, how many disk blocks will the system free up if I remove these four file names: c. two followed by one 111 -rw-r--r-- 1 me me 1 Jan 1 1:00 a d. two 222 -rw-r--r-- 1 me me 1 Jan 1 1:00 b e. one 333 -rw-r--r-- 1 me me 1 Jan 1 1:00 c 216. If the file pig contained the word bar, what is the output on your screen after 444 -rw-r--r-- 2 me me 1 Jan 1 1:00 d this: PATH=/etc/passwd:/bin/ls:/bin/who; /bin/cat pig a. 1 h. 2 c. 0 d. 4 e. 3 a. /bin/cat: pig: No such file or directory 208. If /bin/xxx is a program that outputs one and /usr/bin/xxx is a program b. no output on screen that outputs **two**, what is the output on your screen after this: c. bash: /bin/cat: command not found PATH=/usr:/usr/bin:/etc:/bin : xxx d. pig a. bash: xxx: command not found e. bar b. two followed by one 217. What is usually in the environment variable **\$SHELL**? c. one a. the relative path of the system /shell directory d. one followed by two b. the relative path of your login shell e. two c. the relative path of the **/home/shell** directory 209. What is the link count of directory **dir** after these successful commands? d. the absolute path of the system /shell directory mkdir dir ; cd dir ; touch foo ; mkdir a b c e. the absolute path of your login shell b. 2 *a*. 3 c. 5 e. 4 218. Did you read all the words of the test instructions on page one? 210. How many arguments are passed to the command by the shell: b. Tak (Yes - Polish) a. Sim (Yes - Portuguese) <foo foo " a 'b c' d " e ' f " q " ' >foo h c. Taip (Yes - Lithuanian) d. Igen (Yes - Hungarian) a. 6 *b*. 5 c. 2 d. 3 e. 4 e. Jes (Yes - Esperanto) 211. A "dangling symlink" is a symlink to: a. a non-existent target b. a directory c. a special device file d. a parent directory e. the current directory

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