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PRINT Name:		_ LAB Section:	6.	commands: i=00 ; [put on your screen of the following si -eq 0]; echo s	3?	
Test Version:	One-Answer Multiple Choice	50 Questions – 10 of 10%		a. the number 0 or 1 follob. 0	owed by another 0 or 1 on a ne	ew line	
Read all the words of these instructions and both sides (back and front) of all pages. Use your full, unabbreviated name on the mark-sense form. Do not abbreviate your name. Put the three-digit Test Version above into NO. OF QUESTIONS and NO. OF STUDENTS Fill in the bubbles with pencil only, no pen. Enter your NAME, Test Version, and answers. Manage your time. Answer questions you know, first. One Answer per question.				 c. no output d. test: \$i: integer expression expected e. 1 7. [55/115] If the current directory contains files abc, bbc, cbc, and bbc contain just the line dbd, what is the output of the following command: grep 'b*\$' bbc 			
	would be the output of the following co c awk '{print NF}'	mmand line:		a. cbcd. dbd	b. no outpute. bbc	c. an error messag	e
 a. a b c b. no output c. c d. NF e. 3 [34/116] Which of the following options for bash or sh might be useful for 				[56/115] If exfor is an echo -n "\$myvar " ./exfor one tw	the script	of	
debugging a shell	. ^			a. one two threed. two three	b. no output e . one	c. three	
ar bz cc dx e1 [44/116] What is the output of this sequence of three shell commands: umask 527; touch newfile; ls -1 newfile			9.	. [57/116] Which command will help you track how many subshells deep your current shell is?			
aw-r-x	- 1 me me 0 Oct 1 1:12 new: - 1 me me 0 Oct 1 1:12 new:	file		a. shlvld. sh	b. echo "\$SHLVL" e . bash	c. runlevel	
drw-rw er-x-w-rw 4. [48/115] If foo what is the output TERM=bar	crwxrwx 1 me me 0 Oct 1 1:12 newfile drw-rw 1 me me 0 Oct 1 1:12 newfile er-x-w-rwx 1 me me 0 Oct 1 1:12 newfile [48/115] If foo is a script containing the line TERM=new; export TERM, what is the output of the following sequence of bash commands that use foo: TERM=bar; ./foo; echo '\$TERM' a. TERM b. new c. \$TERM d. bar e. foo			<pre>10. [64/116] If a=3 and b=4 then what is the output on your screen of the follow sequence of commands: ["\$a" -eq 3 -o "\$b" -eq 3]; echo " a. number 1 or 0 followed by 1 or 0 on a new line b. 0 c. [: \$a: string expression expected d. 1 e. no output</pre>			
5. [52/116] If ./a output of this two PATH=/etc a. /bin/cat: b. bash: cat: c. no output d. bash: /bir	/b were a readable empty file, what we command sequence: c/:/usr:/var; /bin/cat ./a ./a/b: No such file or di: c: command not found command not found command not found	rould be the bash shell		 [65/116] If dog is an exwhat is the output of the formask 0022; so a. 0075 d. 0022 [68/116] What is the outcommands: x=pig; a. the number 0 or 1 folio 	tecutable script containing the following sequence of commanurce dog; umask b. no output on screen e. 0079 The put on your screen of the following sequence of the following screen; [-z \$x]; The put on your screen of the following screen; [-z \$x]; The put on your screen of the following screen; [-z \$x]; The put on your screen of the following screen; [-z \$x]; The put of your screen of the following screen; [-z \$x]; The put of your screen of the following screen; [-z \$x];	c. 0077 owing sequence of echo \$? ew line	

13. [68/116] If the file **foo** in the current directory contains just two lines **dbd**, and 19. [73/116] What is true about this output from ls -il foo bar **123**, what is the output of the following command: 24 -rwxr---- 3 root root 2 Jul 31 12:33 foo grep '[[:alnum:]]' foo 24 -rwxr---- 3 root root 2 Jul 31 12:33 bar a. foo b. no output or an error message a. **foo** and **bar** are names for different files c. 123 d. both lines b. foo and bar are two of three names for this file e. dbd c. foo and bar are names for the same file d. this output is not possible 14. [69/116] Who is the owner of file bar after you successfully execute this sequence e. foo and bar each have two names (four names total) of commands in your home directory: touch foo; ln foo one; ln one two; ln two bar 20. [74/116] If a=123 and b=456 then what is the output of the following sequence a. you own the file bar of bash commands: if [\$a = \$b]; then echo \$a ; fi b. the file is owned by **home** a. bash: 123: command not found c. the file is owned by passwd b. 123 d. the file is owned by **root** c. no output e. you cannot execute the given commands; no file will be created d. test: \$a: string expression expected e. test: a=123: integer expression expected 15. [71/116] What is the output on your screen of the following command sequence: i=04; test \$i = 4 ; echo \$? 21. [75/116] If the current directory contains files **abc**, **bbc**, **cbc**, and **bbc** contains just the line bbb, what is the output of the following command: grep bb* bbc a. 0 b. no output a. bbc b. no output d. dbd c. 1 e. an error message d. the number 0 or 1 followed by another 0 or 1 on a new line 22. [75/116] If the current directory contains files abc, bbc, cbc, and bbc contains e. test: \$i: integer expression expected just the line **dbd**, what is the output of the following command: 16. [71/116] If the file **foo** in the current directory contains just the line **abc123**, grep "^bb*" bbc what is the output of the following command: grep '^[[:alpha:]]' foo a. dbd b. cbc a. an error message b. no output c. abc123 d. bbc e. an error message d. 123 e. abc 23. [76/116] Which line below puts the count of the number of lines in the password file into the variable **foo**? 17. [72/116] What is the correct syntax to redirect both standard output and standard error into the same output file? a. foo=\$(wc -1 </etc/passwd)</pre> a. command 2>out >out b. command 2>1 >out b. foo=\$(cat -c /etc/passwd) c. command >out 2>1 d. command >out 2>&1 c. foo=\$(wc /etc/passwd | awk echo \$1) d. foo=\$(awk -F: /etc/passwd | wc -l) e. command 2>&1 >out e. foo=\$(wc -l /etc/passwd | awk "print \$1") 18. [72/115] If there is a file **foo** in the current directory contains just the line **abcd**, what is the output of the following command: 24. [78/115] If bar is an executable script containing the line animal=dog then what is the **bash** output of this sequence of three commands: [-e foo] && rm foo; cat foo a. cat: foo: No such file or directory animal=pig; ./bar; echo "the '\$animal' ate" *b*. 0 a. the 'pig' ate b. the 'Scow' ate c. the 'dog' ate d. the 'cow' ate c. no output d. foo e. the \$cow ate e. abcd

a. /home/myhome/foo

e. /home/myhome/bar

c. /home/myhome

25. [79/116] What is the output of this successful command line?

cd /home/myhome ; mkdir foo ; mkdir bar ; cd

b. no output

d. /bar

c. cbc

c. no output

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26. [80/116] Which of these statements is true?
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- a. Typing ./script and bash script always give identical results.
- b. The ls dir command looks up the directory argument dir in your \$PATH.

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- c. If ./q is an empty directory, echo ./q/.* produces an error message.
- d. Double quotes will stop shell glob (wildcard) patterns from expanding.
- e. If ./p is an empty directory, ls ./p/.* produces an error message.
- 27. [83/116] In an empty directory, what appears on your screen after this bash command line? ls 1>/dev/null nosuchfile
 - a. ls: nosuchfile: No such file or directory
 - b. ls: 1>/dev/null nosuchfile: No such file or directory
 - c. nosuchfile
 - d. ls: /dev/null: No such file or directory
 - e. no output
- 28. [84/115] What is the output on your screen of the following sequence of commands: a=4; b=4; [\$a -le \$b]; echo \$?
 - a. 1
 - b. 0
 - c. test: \$a: integer expression expected
 - d. no output
 - e. the number 1 or 0 followed by another 1 or 0 on a new line
- 29. [85/115] Given the following **bash** shell command line:

read xx yy zz

which user keyboard input line below will assign the text 22 to the shell variable named zz?

a. 11 33 22

b. xx=11 zz=22 yy=33

c. **22 33 11**

d. 11 22 33

- e. 11;22;33
- 30. [86/116] A shell script named bar is executed as follows:

./bar "a b" "c d e" f

Inside the script is the line: echo "\$3"

b. £

What is the output on your screen from this line?

a. \$3

- c. "f"
- d. c d e
- *e*. **a b**
- 31. [87/116] Which of the following regular expressions would match lines that contain no white space?
 - a. [^:space:]*

b. [^[:space:]]*\$

c. ^[^[:space:]]*\$

d. [^[:space:]]*

- e. ^[[:space:]]*\$
- 32. [94/115] Which of these command lines will make file **cow** contain all of the content of file **one** followed by all of the content of file **two**?
 - a. cat one two >cow

b. mv one two >cow

c. cp one two >cow

- d. echo one two >cow
- e. cp one >cow two >cow

- 33. [96/114] Which **bash** command sequence correctly compares the two numbers and prints **OK**?
 - a. if (! 4 < 3); then echo OK; fi
 - b. if [4 -ge 3] ; then echo OK ; fi
 - c. if [! 4 -gt 3] ; then echo OK ; fi
 - d. if [4 > 3] ; then echo OK ; fi
 - e. if (3 < 4); then echo OK; fi
- 34. [97/116] What minimal permissions must you have on a directory to be able to execute successfully the command **1s** . from *inside* the directory?
 - a. r-- b. -
- b. --x
- c. -wx
- d. r-x e. rw-
- 35. [97/116] Which of these commands makes a file owned by me, also writable by me?
 - a. umask 777 myfile

b. chmod x=u ./myfile

c. chmod u+w myfile

d. chmod u+x ./myfile

- e. umask 111 myfile
- 36. [97/116] Which of these statements is true?
 - a. To make a hard link to file "foo" named "bar", file "foo" must exist.
 - b. You can make a hard link to a directory.
 - c. You only need "r--" permission on directory "foo" for "ls -l foo" to work.
 - d. If you give me write permission on a file owned by you, I can then use **chmod** to change its permissions.
 - e. The "ln" command takes two arguments, so the maximum number of hard links a file can have is two.
- 37. [98/116] If /etc/passwd is a file name, which of the following pathnames always leads to the same file?
 - a. /etc/passwd/../..
- b. /etc/../../passwd

c. /etc/passwd/.

- d. ./etc/passwd
- e. /etc/../etc/passwd
- 38. [98/116] What is the output of the following sequence of bash commands:

```
a=1 ; b=2 ; test $a -ge $b ; echo $?
```

- *a*. 1
- *b*. 0
- c. the number 1 or 0 followed by another 1 or 0 on a new line
- d. no output
- e. test: \$a: integer expression expected
- 39. [99/115] Which of the following regular expressions would match lines that contain one or more alphanumeric characters only?
 - a. ^[[:alnum:]]*\$
 - b. [[:alnum:]][[:alnum:]]*
 - c. [a-z0-9][a-z0-9]*
 - d. [[:alnum:]]*
 - e. ^[[:alnum:]][[:alnum:]]*\$

40. [100/115] What is in file myfile after running this bash shell command line? echo one > myfile two three

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a. echo two three

b. one two three

c. no output (empty file)

d. two myfile three

- e. three
- 41. [102/116] Which command sequence creates a directory into which anyone can put a file, but in which nobody can see the names of the files that are there?
 - a. mkdir protected ; cd protected ; chmod go+wx .
 - b. mkdir protected; chmod 777 protected
 - c. mkdir protected; cd protected; chmod go-x.
 - d. mkdir protected; chmod 777.
 - e. mkdir protected; chmod 333 protected
- 42. [102/116] If the file **foo** in the current directory contains just the line **dbd**, what is the output of the following command: **grep** '[[:alpha:]]' **foo**
 - *a*. **123**

b. dbd

c. an error message

- d. no output e. **foo**
- 43. [103/116] Which line does **not** match the following extended Regex? grep -E '[pP][aA][sS]{2}w[d|ord]\$'
 - a. passwd
- b. pAsSwd

c. password

- d. PASSword
- e. passwD
- 44. [103/115] Which command below removes *only* this five-character file name containing a special character (and no others): *test
 - a. rm '*test'
- b. rm *test
- c. rm ./*test

- d. rm ./*test
- e. rm *test
- 45. [104/116] If cow is a sub-directory that contains only the file dog, what happens after this command: mv cow/././dog cow/cat
 - a. there is a second copy of the file dog in the file named cat
 - b. the command fails because the name cow/././dog does not exist
 - c. the directory cow now contains only a file named cat
 - d. the directory **cow** is now empty
 - e. the command fails because the name cat does not exist
- 46. [106/115] Which of the following is true, given this long directory listing from 1s:
 755 drwxr-x-x 256 wen user 1024 May 30 12:35 dir
 - 755 drwxr-x--x 256 wen user 1024 May 30
 - a. The number 256 is the octal permissions of this directory.b. The number 256 is the inode number of this directory.
 - c. The number 755 is the count of links (names) this directory has.
 - d. The number 1024 is the size of this directory.
 - e. The number 1024 is the count of links (names) this directory has.

- 47. [107/116] In the output of the command **ls** -a, a dot that begins a name signifies what?
 - *a*. The current directory.
 - b. A name that is hidden.
 - c. A current file.

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- d. The parent directory.
- e. A name with an unprintable character.
- 48. [107/115] What is the result of this exact command line:

echo /etc/passwd ls

- a. file "/etc/passwd" will be copied to "hello"; the names will be displayed as well
- b. the text "/etc/passwd" and "ls" will be displayed
- c. the contents of the files "/etc/passwd" and "hello" will be displayed
- d. all the files under "/etc/passwd" with the name "hello" will be displayed
- e. a list of file names matching "/etc/passwd" and "hello" will be displayed
- 49. [110/116] What would you type to change the permissions on a file to rwxr-xr-?
 - a. chmod 754 file

b. chmod 244 file

c. chmod 311 file

d. chmod 744 file

- e. chmod 211 file
- 50. [110/116] Which command line would show the inode number of a file?
 - a. cat -ia file
- b. cat -la file
- c. ls -la file

- d. ps -la file
- e. ls -ia file