Linux Fundamentals

Mid-Week Test

| Total Score | / 48 |
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| Name |  |
| --- | --- |
| Date |  |
| Marker’s name |  |

1. All Linux distributions need a paid-for subscription.
   1. True 
   2. False
2. Which operating system was Linux mainly modelled upon? Tick one answer.
   1. Gecos 
   2. VMS
   3. UNIX 
   4. VME/K
3. Which one of the following is used to terminate an interactive command?
   1. ^D 
   2. ^C
   3. ^Z 
   4. ^U
4. To determine the type (i.e. contents) of a file named */etc/passwd* I would use one of the following commands.
   1. what /etc/passwd 
   2. type /etc/passwd
   3. file /etc/passwd 
   4. contents /etc/passwd
5. Write below a command which will display a listing of /*usr*.
6. Write below a command to copy the file *f9* to *f9.orig*.
7. Which one of the following will delete the file *f8*? Tick one correct answer.
   1. delete f8 
   2. rm f8
   3. erase f8 
   4. remove f8
8. The command *page* is used to display a file one page at a time.
   1. True 
   2. False
9. Write below a command to rename the file *part2* to *part3*.
10. I cannot copy from a file from anywhere outside my own directory.
    1. True 
    2. False
11. Which one of the following commands creates three directories?
    1. mkdir dira, dirb. dirc
    2. makedir dira, dirb, dirc
    3. create dira dirb dirc
    4. mkdir dira dirb dirc
12. Which command will display which directory you are in?
    1. whereami
    2. loc
    3. pwd
    4. mapme
13. A pathname which starts with a “/” is called an absolute pathname.
    1. True 
    2. False
14. Write below the command to take you up one directory level
15. Write below the command to remove empty directory *stat*.
16. I would use the command *password* to change my password.
    1. True 
    2. False
17. Which two commands below are valid *man* commands? Tick two answers.
    1. man ls
    2. man –k sort
    3. man –A sort
    4. man –page ls
18. Write down commands for the following *vi* actions. 1 point for each correct answer

| 1. Scroll forward one page. |  |
| --- | --- |
| 1. Go into insert mode before the  current cursor position. |  |
| 1. Terminate an insert |  |
| 1. Go to line 2 of the file |  |
| 1. Go to the end of the file |  |
| 1. Delete 3 characters |  |
| 1. Delete 3 words |  |
| 1. Delete 3 lines |  |
| 1. Search forward for the string *ford* |  |
| 1. Repeat the previous search. |  |
| 1. Save the file to a new file *stats3.* |  |
| 1. Force exit without saving. |  |

1. Write below a command to run a long listing of */usr/bin*, one page at a time.
2. Which one of the following commands counts the number of lines in the output from the *ls* command?
   1. ls > wc -l
   2. ls <> wc --lines
   3. ls | wc -l
   4. man ls | wc
3. Which two of the following commands would display the contents of the file */etc/passwd*?
   1. from /etc/passwd
   2. cat < /etc/passwd
   3. page /etc/passwd
   4. cat /etc/passwd
4. Write below a command to write the current date and time to a file called *dfile*.
5. Now a command to append a calendar for December 2018 to *dfile*.
6. Which one of the following commands finds files called *Zulu* under the directory /*usr*, and suppresses error messages?
   1. locate –dir /usr –filename Zulu –omit errors
   2. find /usr –type f –name Zulu 2> /dev/null
   3. find /usr –filetype f –name Zulu 2> /dev/null
   4. ls /usr | find Zulu > /dev/nasties
7. Write below a command to list all files in */usr/sbin* which end in *stat*
8. The shell wildcard (metacharacter) % matches exactly one character.
   1. True 
   2. False
9. Which two of the following commands counts the number of files ending in *stat* in */usr/sbin* and */usr/bin*? 1 point for each correct answer.
   1. wc –l /usr/bin /usr/bin | ls \*stat
   2. ls /usr/sbin,/usr/bin,stat$ | wc -l
   3. ls /usr/\*bin/\*stat | wc -l
   4. ls /usr/sbin/\*stat /usr/bin/\*stat | wc -l
10. Write below a command to set an alias *m* to run *more*
11. Now a command to unset the alias *m*.

1. What does the following command do? **history 10**
   1. Displays the most recent 10 lines of the history list
   2. Displays the oldest 10 lines of the history list
   3. Removes the most recent 10 commands from the history list
   4. Saves the most recent 10 lines of the history list to *bash\_history*
2. Write below a command to list all system processes.
3. The *at* command can be used to run unattended tasks.
   1. True 
   2. False
4. Write below a command to copy the entire *Admin* directory to */tmp*.
5. The command “*chmod g-r dfile*” removes read permission for *other* from the file *dfile*.
   1. True 
   2. False

That’s it! Your instructor will now co-ordinate the test marking