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Introduction to Linux II – Chapter 02 Exam Answers 2019 + PDF file

1. **Which of the following steps is NOT performed while creating a shell script?**
   - Create a file with commands
   - Make the file executable
   - **Login as root on the server console**
   - Put #!/bin/bash as the first line

2. **The first line in a shell script reads:#!/bin/bashWhat does it signify?**
   - It is a comment
   - **The executable (shell) to use to run the script**
   - Name of the editor used to create the file
   - The script requires root login

3. **The command** bash script_file **can be used to directly execute a shell script.**
   True or False?
   - **True**
   - False

4. **Which of the following is placed before a script name to execute it from the current directory?**
   - #!
   - !!
   - **./**
   - //

5. **Instead of specifying the current directory, it is better to place the script in a location that is included in the _____ variable.**
   - SCRIPTS
   - ENV
   - GLOBAL
   - **PATH**

6. **An ideal place for a regular user (not a super user), to place their shell scripts would be:**
   - /sbin
   - **/home/john/bin**
   - /usr/local/sbin

- /bin

7. **Use of SETUID permission on scripts is the best way to specify permissions.True or False?**

   - True
   - **False**

8. **A user has written a few scripts for private use. Which of the following commands should be used so that no one else has execute permission?**

   - chmod u-rx script_file
   - **chmod u+x script_file**
   - chmod -R 755 script_file
   - chmod a+x script_file

9. **Which of the following commands will produce the same result as** start=`date`**?**

   - start=date
   - start=%date%
   - **start=$(date)**
   - start=(date)

10. **The _____ statement can be used to gather information from the user running the script.**

    - **read**
    - for
    - seq
    - if

11. **The command** read –p **will capture the current position of the mouse pointer.**
    True or False?

    - True
    - **False**

12. **Conditional statements CANNOT be used to determine which of the following?**

    - **System runlevel**
    - If the file exists
    - If two strings match or not
    - If two numeric values match

13. **When will the condition test –n STRING be true?**

    - **If the length of STRING is nonzero**
    - If the length of STRING is zero
    - Never
    - Always

14. **In shell scripts, the conditional statement if must always end with:**
   - then
   - elif
   - **fi**
   - False condition

15. **The return status from a command is 1. What does this indicate?**
   - Calculation done by the command yields the result 1
   - Command is still running in the background
   - Command executed successfully
   - **Command did not execute successfully**

16. **A user jamie already exists in the system. The command** grep jamie
   /etc/passwd **displays one user record. Running the** echo $? **command immediately after
   the** grep **command would result in what output?**
   - 5
   - 1
   - 2
   - **0**

17. **Which of the following will NOT handle bad user input properly:**
   - Checking the value of the $? variable using an if statement
   - Checking the validity of user input before passing it on to the command
   - Checking the return value of a command directly in the conditional part of the if statement
   - **Checking the command's Standard Output**

18. **A user wants an email sent when his shell script is executed successfully. Which of
   the following commands in the script can do this?**
   - mail root
   - echo $mail
   - **mail brad**
   - cron job will send an email by default

19. **The _____ statement is most useful in performing an operation on multiple items.**
   - read
   - **for ***
   - test
   - many

20. **What will the following statement do?for name in `cat /root/users`**
   - Get into an infinite loop
   - **Assign to the name variable each value in the specified file**

▪ Run for two values cat and /root/users

▪ Report an error

21. **The output of the command** seq 10 10 30 **will be:**

▪ 50

▪ 10 10 30

▪ **10 20 30**

▪ 3

22. **The _____ command is used to print a sequence of numbers.**

▪ **seq**

▪ series

▪ num

▪ list

23. **The statement** *if [-d file]* **will be true, if the file:**

▪ Is executable

▪ Exists

▪ Is writable

▪ **Is a directory**

24. **Which of the following file** *test* **statement conditions is NOTcorrect?**

▪ **-d filename tests if the file is in the current directory**

▪ -x filename tests a file to determine if it is executable

▪ -w filename tests a file to determine if it is writable

▪ -e filename tests if the file exist

25. **A user wants to execute a script called test1_script. What type of permission does she need on the test1_script file?**

▪ **Read and execute**

▪ Read and write

▪ Read only

▪ Write only

26. **Command substitution can be used to insert the output of a command as another command's argument.True or False?**

▪ **True**

▪ False