

## **LINUX BATCH - 1 POST ASSESSMENT**

**TRAINING DATES:** 29th July to 1st August 2019

**TRAINER:** SAI RAM

**1. I am in /etc directory and I want to go to my home directory which command should I use?**

A. cd B. cd ~ C. Both A and B D. none of these

**Answer: C.Both A and B**

**2.Which command is used not to display the error message on shell?**

A.command > &2 B. command 2> &1 C.command 2> &2 D.command 2> /dev/null

**Answer: D.command 2> /dev/null**

**3.Which command is used to replace the word 'hello' (already present in the file) with 'hi' at all places in a file 'file1.txt' and save the result in a new file 'file2.txt'?**

A.sed 's/hello/hi/g' file1.txt > file2.txt B.sed 's/hello/hi' file1.txt > file2.txt C.sed 's/hello/hi/g' file1.txt file2.txt D.sed 's/hello/hi' file1.txt > file2.txt

**Answer: A.sed 's/hello/hi/g' file1.txt > file2.txt**

**4.Which signal is generated when we press ctrl-Z?**

A.SIGKIL B.SIGSTOP C.SIGABRT D.SIGINT

**Answer: B.SIGSTOP**

**5.Which command is used to see the list of users who are currently logged-in?**

A. login B. users C. who D. which

**Answer: C.who**

**6.Which command is used to get the kernel version in Linux?**

A. uname -r B. uname -n C. uname -k D. uname -s

**Answer: A.uname -r**

**7.Which command is used to delete the character before the cursor location in vi editor?**

A.x B.dd C.D D.X

**Answer: A.x**

**8. Which command is used to print all array indexes ?**

A. \${!array[@]} B.\${array[@]} C. \${!array[@]} D.Both A and C

**Answer: B.\${array[@]}**

**9.\_\_\_\_\_ command is used to take the backup in Unix**

A. backup B. cpio C. zip D. gzip

**Answer: B. cpio**

**10. Command to redirect stdout and stderr streams to log.txt file from script inside ?**

A."redir >log.txt 2>&1" B."redir >log.txt 2>1" C."exec >log.txt 2>&1" D. none of these

**Answer: A."redir >log.txt 2>&1"**

**11.Indicate the right option to search for anything not a letter or number**

A.grep '[a-zA-Z0-9]' B.grep '[^a-zA-Z0-9]' C. Both A and B D. none of these

**Answer: B.grep '[^a-zA-Z0-9]'**

**12.What is the command to change the group ownership of a file?**

A. cgrp B. chgrp C. change D. group

**Answer: B. chgrp**

**13.Sticky bit can be set using following permission**

A.0777 B.1744 C .2411 D. none of these

**Answer: B.1744**

**14. I want to restart httpd service, which of following command should I use?**

A. sudo systemctl restart httpd B.sudo service httpd restart C. Both A and B D. none of these

**Answer: C. Both A and B**

**15.How to check if previous command run successful ?**

A.last B.\$? C. Both A and B D. none of these

**Answer: B.\$?**

**16. How to add integers a and b and assign to c ?**

A. c=`echo "\$a+\$b"|bc` B.c=\$(a+b) C. Both A and B D. none of these

**Answer: A. c=`echo "\$a+\$b"|bc`**

**17.Write a Shell script for monitoring disk space,when the usage is over 30% print an alert message 'Usage is over 30%'.**

```
#!/bin/bash
df -H | grep -vE '^Filesystem|tmpfs|cdrom' | awk '{print $5 " " $1}' | while read output;
do
    usep=$(echo $output | awk '{print $1}' | cut -d '%' -f1)
    if [ $usep -gt 30 ]; then
        echo "Usage is over 30%"
    fi
done
```

**18. Write a Shell script for creating a user.If user already exists, return 'user exists'**

```
#!/bin/bash

echo "Enter the username:"
read user
ifuser= grep $user /etc/passwd
if [ "$ifuser" = "" ]
then
    sudo useradd $user
    echo "User added..!"
else
    echo "User exists..!"
fi
```

## 19. Write a Shell script for checking internet connectivity

```
#!/bin/bash
if ping -q -c 1 -W 1 tecmint.com
then
    echo "Internet is connected"
else
    echo "Not connected"
fi
```

## 20. Write a Shell script for a process/application to start,stop and restart.

```
#!/bin/bash
case "$1" in
    start)
        /square.sh &
        echo $!>/var/run/square.sh
        ;;
    stop)
        kill `cat /var/run/square.sh`
        rm /var/run/square.sh
        ;;
    restart)
        $0 stop
        $0 start
        ;;
    *)
        ;;
esac
```