**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)

/file5.sh &

echo $!>/var/run/file5.sh

;;

stop)

kill `cat /var/run/file5.sh`

rm /var/run/file5.sh

;;

restart)

$0 stop

$0 start

;;

esac