**Quiz 3**

Pavan kumar pitta

1. Write a script to delete blank lines in a file. Use cat and awk

Ans) cat filename | sed '/^\s\*$/d'

2. Write a script to delete duplicate lines

Ans) awk '!x[$0]++' file > file.new

3. Write a shell script to delete a directory tree.

./script.sh <directory>

Ans)

rm -rf /foo/bar/\*

# or

cd /foo/bar

rm –r

4. Write a shell script to see if a process is running.

Hint: Parse output of ps command

Ans) #!/bin/bash

# Check if gedit is running

if pgrep "gedit" > /dev/null

then

echo "Running"

else

echo "Stopped"

fi

5. Write a shell script to display the following:

Hostname, disk space usage, free & used memory, uptime and logged in users.

6. Write a shell script to display syntax of a given command

Ans) $ cat shl

#!/bin/bash

DIR=/tmp/so

ls $DIR

$ bash -x shl

+ DIR=/tmp/so

+ ls /tmp/so

$

7. Write a shell to check if a command is in PATH directory list

Ans) if [ -d "$DIRECTORY" ]; then

# Control will enter here if $DIRECTORY exists.

fi

8. Write a shell script to transfer a file using ftp and scp.

Read about how to use ftp and scp commands in scripts. Come up with your own example.

Ans)

#!/bin/sh

HOST='ftp.example.com'

USER='yourid'

PASSWD='yourpw'

FILE='file.txt'

ftp -n $HOST <<END\_SCRIPT

quote USER $USER

quote PASS $PASSWD

put $FILE

quit

END\_SCRIPT

exit 0

9. Write a shell script to delete files older than a week.

ANs) find ./my\_dir/\* -mtime +7 -type f -delete

10. Write a shell script to implement -i version of cp command

Ans)

$ cp -i test.c bak

cp: overwrite 'bak/test.c'? y

11. Write a shell script that Searches down the directory tree from current directory, change the group owner of files in a directory to another group.

You should also check if new group exists, else, error out.

./script.sh oldgroup newgroup

Ans)

12. Write a shell script to list files in size order, smallest first.

Hint: ls and sort commands

Ans) $ ls -S

$ ls -S -l

$ ls --sort=size -l

$ ls --sort=size \*.avi

$ ls -S -l \*.avi