**Quiz 3**

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

#!/bin/sh

echo –n “Enter a file name”

read f

cat $f | awk NF > f1

1. Write a script to delete duplicate lines

#!/bin/sh

echo –n “Enter a file name”

read f

cat $f | uniq > f1

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

./script.sh <directory>

#!/bin/sh

echo –n “Enter a directory name”

read f

rm –r f

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

Hint: Parse output of ps command

#!/bin/sh

echo –n “Please enter the process ID number: “

read n

if [“$(pidof n)”]

then

echo “Process is running”

else

echo “Process is not running”

fi

5. Write a shell script to display the following:

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

#!/bin/sh

echo “Hostname”

hostname

echo “ “

echo “Disk space Usage”

df –h

echo “ “

echo “Up time”

uptime

echo “ “

echo “ Login users”

who

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

#!/bin/sh

echo –n “Enter the command name”

read n

echo “Syntax”

man $n

#if [echo $PATH| grep |wc –l]

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

#!/bin/sh

echo “Enter the command”

read n

if [echo $PATH | grep | wc –l ] which $n > /dev/null; then

echo “Command found”

else

echo “Command is absent”

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.

#!/bin/sh

echo -n “Enter total directory of a file.”

read s

echo –n “Enter the host address”

read h

scp $h $s

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

#!/bin/sh

echo -n “Enter total directory of a file.”

read s

find $s/\* -mtime +7 –exec rm \* {} \;

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

#!/bin/sh

pwdir=`pwd`

echo –n “Enter the file name that need to copied: “

read fname

echo –n “Enter the destination file name: “

read dname

if [-f $pwdir];

then

echo –n “Do you want to over right the file y or n “

read useri

case $useri in

“y”) cp $fname $dname

;;

“n”) echo “File is not overwriten”

;;

esac

else

cp $fname $dname

if

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

Solution..

#!/bin/sh

echo –n “Please enter the group owner of the directory or file name : “

read gown

if [grep –e $gown /etc/group]

then

find . –type f –group $gown –exec sudo chgrp –R mon {} \;

else

echo “Group not exists”

fi

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

Hint: ls and sort commands

#!/bin/sh

ls $PWD | sort