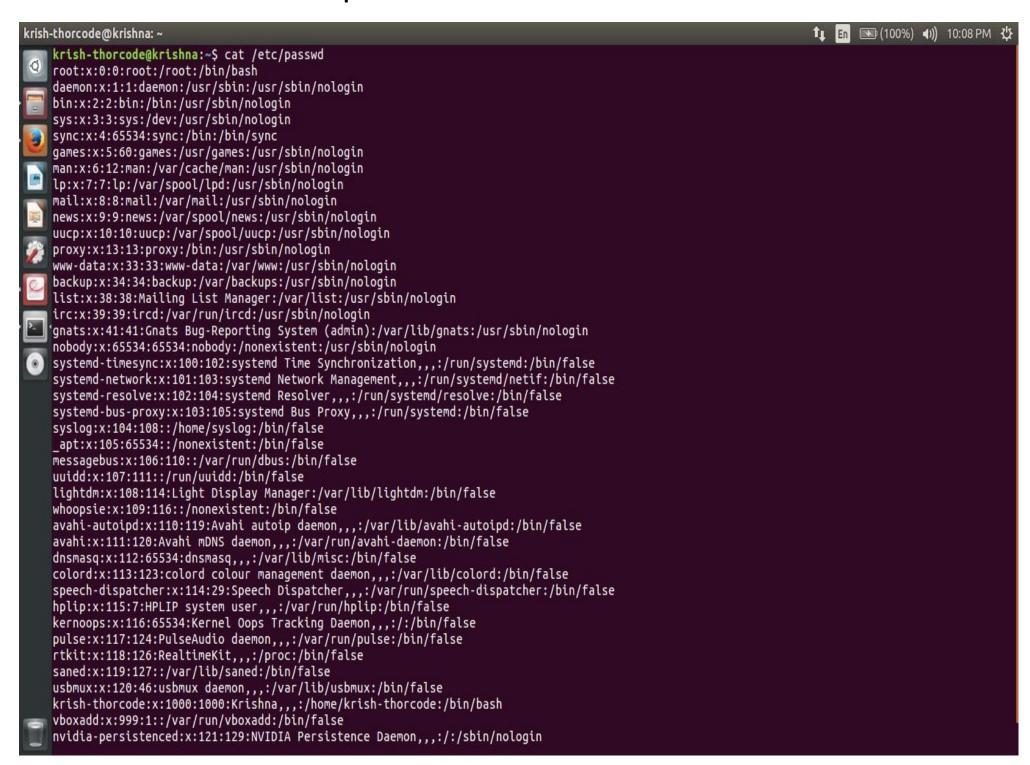
#### **REG-16BIT0453**

#### NAME- KRISHNA KUMAR MAHTO

#### EXP-1

#### a. Terminal command and output:



## b.

# **Script code:**

```
echo "Enter filename"

read filename

echo "Enter word"

read word

echo "Number of occurences:"

grep -cow "$word" "$filename"
```

#### **OUTPUT:**

```
krish-thorcode@krishna:~/OS_Programs/Lab_Problems/Shell_programs$ ./grep_file.sh
Enter the filename
grep_file.sh
Enter the word
read
Num of occurrences:
```

## c. CODE:

```
echo "Enter a file name:"

read f

if [ -f $f ]

then

echo "File"

elif [ -d $f ]

then

echo "Directory"

else

echo "Invalid input"

fi
```

```
krish-thorcode@krishna:~/OS_Programs/Lab_Problems/Shell_programs$ ./file_or_dir.sh
Enter a file name:
kk
Invalid input
krish-thorcode@krishna:~/OS_Programs/Lab_Problems/Shell_programs$ ./file_or_dir.sh
Enter a file name:
file_or_dir.sh
File
```

#### d. CODE:

```
echo -e "enter the user name :\c"
read usr
tuser=`who | tr -s " " | head -1 | cut -d " " -f1`
if [ "$tuser" = "$usr" ]
then
tm=`who | tr -s " " | head -1 | cut -d " " -f4`
uhr=`echo $tm | cut -d ":" -f1`
umin=`echo $tm | cut -d ":" -f2`
shr=`date "+%H"`
smin=`date "+%M"`
if [$smin -lt $umin]
then
shr='expr $shr - 1'
smin=`expr $smin + 60`
fi
h=`expr $shr - $uhr`
m=`expr $smin - $umin`
echo "user name : $usr"
echo "login period : $h : $m"
else
echo "Invalid User"
```

read rfile

```
krish-thorcode@krishna:~/OS_Programs/Lab_Problems/Shell_programs$ ./duration.sh
enter the user name :krish-thorcode
user name : krish-thorcode
login period : 2 : 6
```

# e. CODE: while true do echo "\*\*\*\*\*\*MENU\*\*\*\*\*\*\* echo " 1. List of files. 2. Copying files. 3. Removing files. 4. Renaming files. 5. Linking files. press [CTRL+C] TO EXIT" echo "enter your choice " read ch case "\$ch" in 1) echo "The list of file names." ls I || echo "These are file";; 2) echo "Enter the old filename." read ofile echo "Enter the new file name." read nfile cp \$ofile \$nfile && echo "Copied sucessfully." || echo "Copied is not possible.";; 3 ) echo "Enter the file name to remove."

```
rm
f $rf
ile && echo "Successfully removed.";;
4 ) echo "Enter the old file name."
read ofile
echo "Enter the new file name."
read nfile
mv $ofile $nfile && echo "The file $ofile name re
named to $nfile." || echo "You
cann't Rename the file.".;;
5) echo "Enter the original filename."
read ofile
echo "Enter the new filename to link a file."
read Ifile
In $ofile $I
file && echo "Creat the linking file Sccessfully." || echo "You cann't Linking the file.";; *)
echo "Invalid option."
Echo "Enter correct choice."
esac
done
```

```
krish-thorcode@krishna: ~/OS_Programs/Lab_Problems/Shell_programs

    List of files.

    Copying files.
    Removing files.
   4. Renaming files.
5. Linking files.
press [CTRL+C] TO EXIT
    enter your choice
    The list of file names.
 duration.sh
                      interactive_file_handling.sh
    file_or_dir.sh renamed_using_interactive_file_handling_grep.sh grep_file.sh
    ./interactive_file_handling.sh: line 16: -: command not found
    ./interactive_file_handling.sh: line 17: l: command not found
These are file
******MENU********
    1. List of files.
    2. Copying files.

    Removing files.
    Renaming files.
    Linking files.

    press [CTRL+C] TO EXIT
    enter your choice
    Enter the old file name.
renamed_using_interactive_file_handling_grep.sh
Enter the new file name.
    grep.sh
    The file renamed_using_interactive_file_handling_grep.sh name re
    named to grep.sh.
******MENU******

    List of files.

    Copying files.
    3. Removing files.
4. Renaming files.
5. Linking files.
 press [CTRL+C] TO EXIT
    enter your choice
```

### f. CODE:

if [ -f \$line ]

echo "enter the directory name"
read dir
if [ -d \$dir ]
then
cd \$dir
ls > f
exec < f
while read line
do

```
then
if [ -r $line -a -w $line -a -x $line ]
then
echo "$line has all permissions"
else
echo "files not having all permissions"
fi
fi
done
fi
```

```
krish-thorcode@krishna:~/OS_Programs/Lab_Problems/Shell_programs$ ./content_of_curr_dir.sh
enter the directory name
.
content_of_curr_dir.sh has all permissions
duration.sh has all permissions
files not having all permissions
file_or_dir.sh has all permissions
grep_file.sh has all permissions
files not having all permissions
files not having all permissions
interactive_file_handling.sh has all permissions
krish-thorcode@krishna:~/OS_Programs/Lab_Problems/Shell_programs$
```