SHELL PROGRAMMING LAB

ASSIGNMENT -14

SUBMITTED BY:

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SUBMITTED TO:

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TITLE: Shell Scripts reading Files
Activities:
1. Write a shell script that takes a command–line argument and reports on whether it is a directory, a file, or something else.

```
root@Ayush500086400:~/Desktop/lab14# cat Q1.sh
#!/bin/bash
cd
echo " enter file"
read str
if test -f $str
then echo "it is a file"
elif test -d $str
then echo "directory file"
elif test -h $str
then echo "Symbollic link"
else
echo "not exists"
fi
root@Ayush500086400:~/Desktop/lab14#
```

```
root@Ayush500086400:~/Desktop/lab14# ./Q1.sh
 enter file
extra
Symbollic link
root@Ayush500086400:~/Desktop/lab14# ./Q1.sh
 enter file
Desktop
directory file
root@Ayush500086400:~/Desktop/lab14#
```

2. Write a shell program to read a file and find out the total instances of “and” in it.

```
root@Ayush500086400:~/Desktop/lab14# cat /root/Desktop/4/example.txt
UNIX operating system
and
UNIX and Linux operating system
Linux and operation system
root@Ayush500086400:~/Desktop/lab14# grep "and" -o /root/Desktop/4/example.txt |wc -l
3
root@Ayush500086400:~/Desktop/lab14#
```

3. Write a shell script that accepts one or more file name as arguments and converts all of them to uppercase, provided they exist in the current directory.

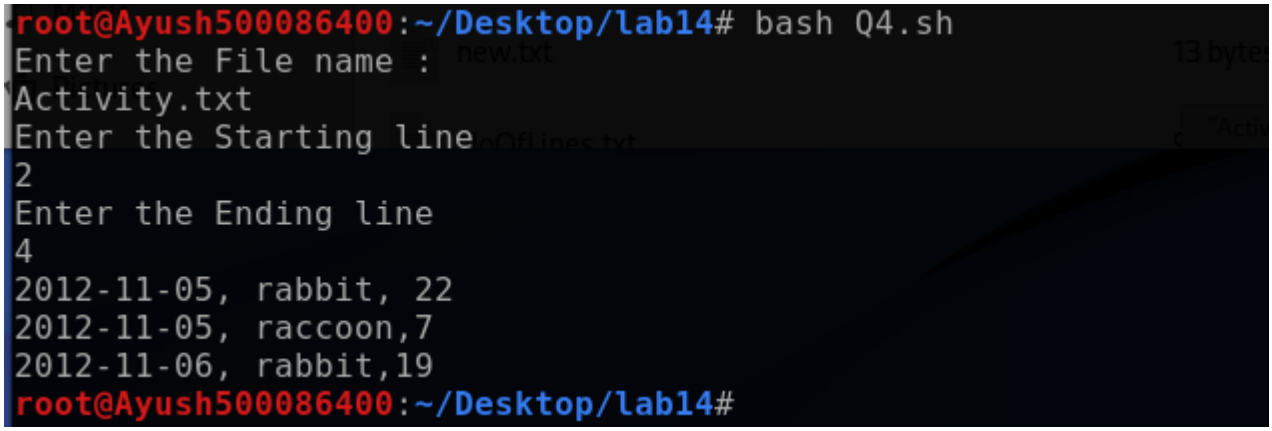
```
#!/bin/bash
cd
while true
do
echo "enter file"
read str
if test -e $str
then echo " The File name is " $str " exist"
else
echo " The File name is " $str " doesn't exist"
fi
done
```

```
root@Ayush500086400:~/Desktop/lab14# bash ./Q3.sh
enter file
Desktop
 The File name is  Desktop  exist
enter file
extra
 The File name is  extra  doesn't exist
enter file
Music
 The File name is  Music  exist
enter file
```

4. Write a shell script that accepts a file name starting and ending line numbers as arguments and displays all the lines between the given line numbers.

```
#!/bin/bash
cd /root/Desktop/test
echo "Enter the File name :"
read filename
echo "Enter the Starting line"
read Sline
echo "Enter the Ending line"
read Eline

sed -n $Sline,$Eline\p $filename
```


root@Ayush500086400:~/Desktop/lab14# bash Q4.sh
Enter the File name :
Activity.txt
Enter the Starting line
2
Enter the Ending line
4
2012-11-05, rabbit, 22
2012-11-05, raccoon,7
2012-11-06, rabbit,19
root@Ayush500086400:~/Desktop/lab14#