

EXPERIMENT 3

A. Write a shell script that takes a command line argument and report on whether it is directory or a File?

COMMAND : nano filename.sh

```
echo "Enter FileName"
```

```
read a
```

```
if test -f $str
```

```
then echo "It is a File"
```

```
elif test -d $str
```

```
then echo "It is a Directory"
```

```
else
```

```
echo "File does not exists"
```

```
fi
```

```
[ctrl+s: SAVE , ctrl+x: EXIT]
```

Terminal : chmod u+x Filename.sh

./Filename.sh

```

gaurang@gaurang:~/Desktop$ gedit abcd.sh
gaurang@gaurang:~/Desktop$ chmod u+x abcd.sh
gaurang@gaurang:~/Desktop$ ./abcd.sh
  enter File
New
It is a Directory File
gaurang@gaurang:~/Desktop$ ./abcd.sh
  enter File
Test.sh
File does not exist
gaurang@gaurang:~/Desktop$ ./abcd.sh
  enter File
abcd.sh
It is a Text File
gaurang@gaurang:~/Desktop$ █

```

```

1 echo "  enter File"
2 read str
3 if test -f $str
4 then echo "It is a Text File"
5 elif test -d $str
6 then echo "It is a Directory File"
7 else
8 echo "File does not exist"
9 fi

```

B. Write a shell script that takes a filename as argument and convert all of them to Uppercase?

COMMAND : nano Filename.sh

echo – “Enter FileName”

read filename

if [! -f \$fileName]

then

echo "FileName \$fileName does not exists"

exit 1

fi

tr '[a-z]' '[A-Z]' < \$fileName

[ctrl+s:SAVE , ctrl+x:EXIT]

Terminal : chmod u+x Filename.sh

./Filename.sh

```
gaurang@gaurang:~/Desktop$ cat File1.txt
Hi
welcome to os lab
experiment no. 3
gaurang@gaurang:~/Desktop$ chmod u+x Gaurang.sh
gaurang@gaurang:~/Desktop$ ./Gaurang.sh
Enter File Name :File1.txt
HI
WELCOME TO OS LAB
EXPERIMENT NO. 3
gaurang@gaurang:~/Desktop$
```

```
1 # get filename
2 echo -n "Enter File Name :"
3 read fileName
4 # make sure the file exists for reading
5 if [ ! -f $fileName ]
6 then
7 echo "Filename $fileName does not exists"
8 exit 1
9 fi
10 # convert to uppercase using tr command
11 tr '[a-z]' '[A-Z]' < $fileName
```