Experiment3:

(A) Write a shell script that takes a command line argument and reports on whether it is a directory or a file.

Command: nano filename.sh

```
echo "enter filename"
read a
if test -f $a
 then echo "this is a file"
elif test -d $a
then echo "this is a directory"
else
echo "it does not exist"
fi
```

(ctrl+o:save & ctrl+x:exit)

Terminal: chmod +x filename

./nameofthefile.sh

```
echo "Enter the name"
read a
if test -f $a
then echo "It is a file"
elif test -d $a
then echo "It is directory"
fi
```

```
┌──(aakash㉿kali)-[~/Desktop]
└─$ nano exp1.sh

┌──(aakash㉿kali)-[~/Desktop]
└─$ chmod +x exp1.sh

┌──(aakash㉿kali)-[~/Desktop]
└─$ sh exp1.sh
Enter the name
file1.txt
It is a file

┌──(aakash㉿kali)-[~/Desktop]
└─$
```

(B) Write a shell script that takes a file names as arguments and convert all of them to uppercase.

Command: nano filename.sh

```
echo -n "enter filename"
read filename
if [ ! -f $filename ]
then
echo "filename $filename does not exist"
exit 1
fi
tr '[a-z]' '[A-Z]' < $filename
```

(ctrl+o:save & ctrl+x:exit)

Terminal: chmod +x filename

./nameofthefile.sh

```
┌──(aakash㉿kali)-[~/Desktop]
└─$ nano exp2.sh

┌──(aakash㉿kali)-[~/Desktop]
└─$ cat exp2.sh
echo -n "Enter file name"
read filename
if [ -f $filename]
then
echo "Eilename $filename does not exists"
exit 1
fi
tr '[a-z]' '[A-Z]' <$filename


┌──(aakash㉿kali)-[~/Desktop]
└─$ chmod +x exp1.sh

┌──(aakash㉿kali)-[~/Desktop]
└─$ sh exp2.sh
Enter file namefile1.txt
exp2.sh: 3: [: missing ]
HII HELLO
```