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

./name of the file.sh

```
echo "Enter file name"
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
```

```
vanshak@HP-laptop:/mnt/d$ ./exp3.sh
Enter file name
file1.txt
This is a file
vanshak@HP-laptop:/mnt/d$ ./exp3.sh
Enter file name
abc
This is a directory
```

(B) Write a shell script that takes 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

./name of the file

```
#get filename
echo -n "Enter filename"
read filename
#make sure file exists for reading
if [ ! -f $filename ]
then
echo "filename $filename does not exist"
exit 1
fi
tr '[a-z]' '[A-Z]' < $filename
```

```
vanshak@HP-laptop:/mnt/d$ cat file1.txt
hello
how
why
vanshak@HP-laptop:/mnt/d$ chmod +x exp3b.sh
vanshak@HP-laptop:/mnt/d$ ./exp3b.sh
Enter filenamefile1.txt
HELLO
HOW
WHY
```