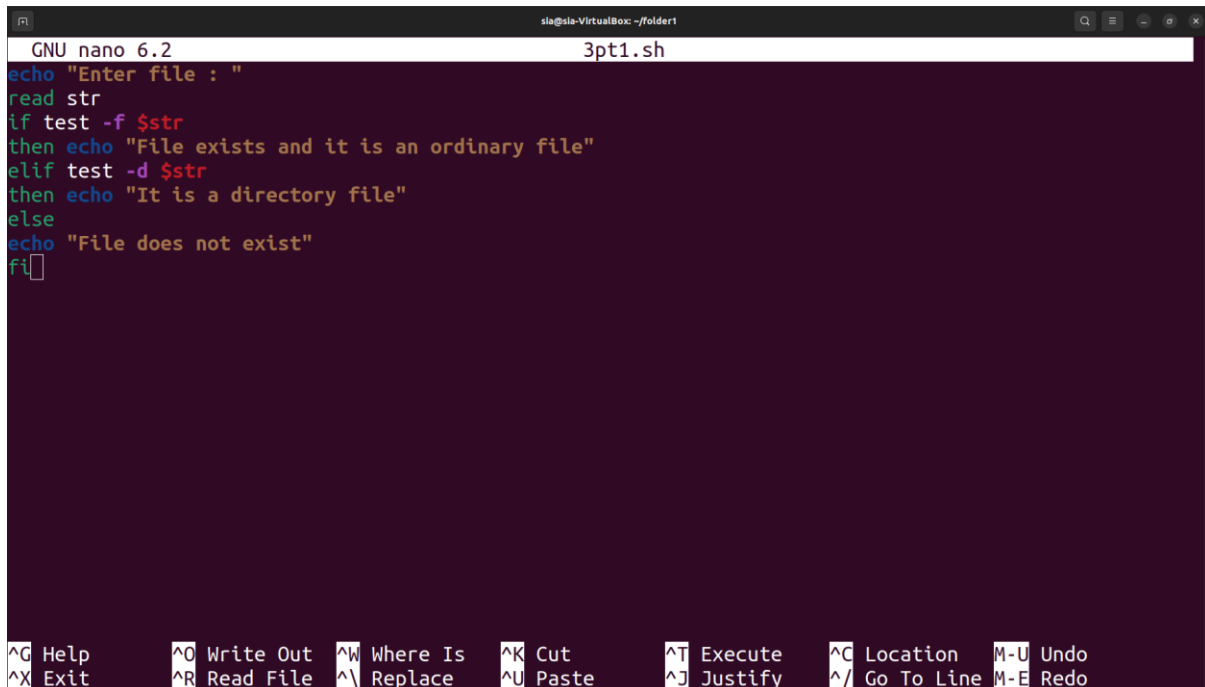


## Experiment-3

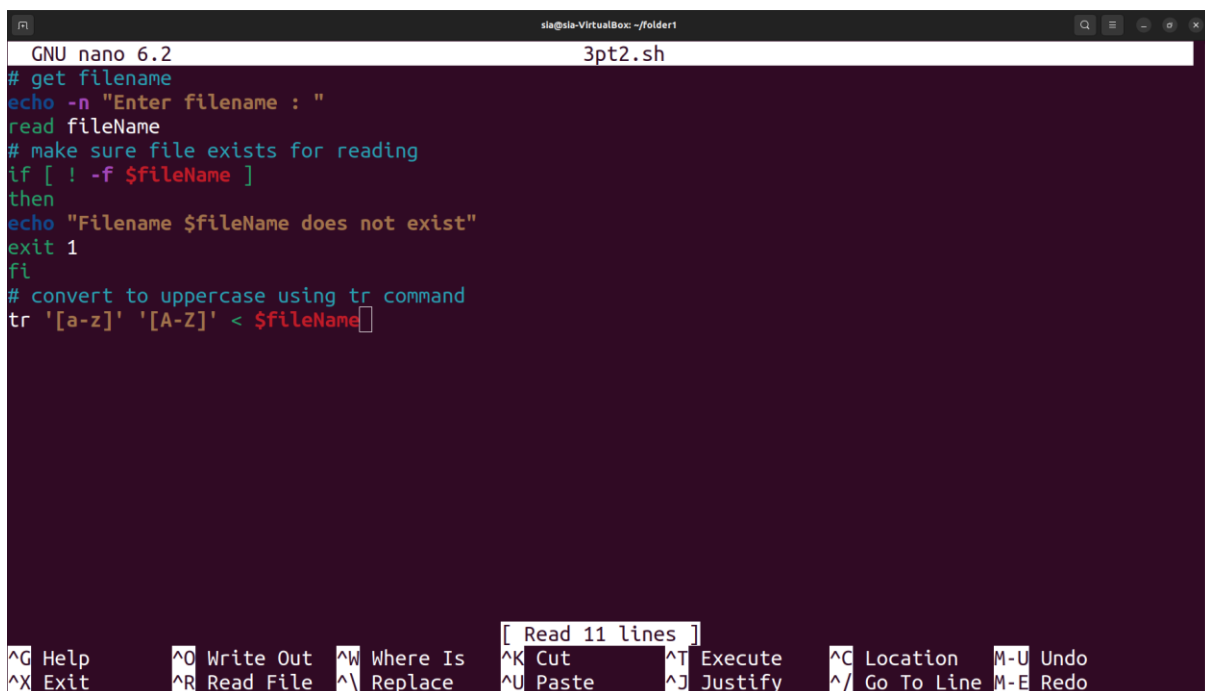
- Shell script that takes a command line argument and reports on whether it is a directory or a file.



```
GNU nano 6.2                                3pt1.sh
echo "Enter file : "
read str
if test -f $str
then echo "File exists and it is an ordinary file"
elif test -d $str
then echo "It is a directory file"
else
echo "File does not exist"
fi
```

Help Write Out Where Is Cut Execute Location M-U Undo  
Exit Read File Replace Paste Justify Go To Line M-E Redo

- Shell script that takes file names as arguments and convert all of them to uppercase.



```
GNU nano 6.2                                3pt2.sh
# 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
# convert to uppercase using tr command
tr '[a-z]' '[A-Z]' < $fileName
```

[ Read 11 lines ]  
Help Write Out Where Is Cut Execute Location M-U Undo  
Exit Read File Replace Paste Justify Go To Line M-E Redo

- Shell script that captures number of command line arguments and displays the arguments supplied by the user. Using the grep command, we have to search the string entered as argument 1 in the filename entered as argument 2.

```

GNU nano 6.2                                     3pt3.sh
echo "Program:$0"
echo "The number of arguments entered are = $#"
```

```

echo "The arguments are = $*"
grep "$1" $2
echo "Job finish"
```

```

^G Help      ^O Write Out  ^W Where Is   ^K Cut        ^T Execute    ^C Location
^X Exit      ^R Read File  ^_ Replace    ^U Paste      ^J Justify    ^_ Go To Line
```

```

sia@sia-VirtualBox:~/folder1$ chmod +x 3pt1.sh
sia@sia-VirtualBox:~/folder1$ ./3pt1.sh
Enter file :
a.txt
File exists and it is an ordinary file
sia@sia-VirtualBox:~/folder1$ chmod +x 3pt2.sh
sia@sia-VirtualBox:~/folder1$ ./3pt2.sh
Enter filename : a.txt
HELLO
HHIIII
CURRENTLY I AM USING VIRTUALBOX UBUNTU.
UBUNTU IS AN OPERATING SYSTEM.
IT IS EASY TO USE.
HELLO. MYSELF SIA.
I AM CURRENTLY ENROLLED IN CSE BRANCH IN MIET.
I AM IN 3RD SEMESTER.
WE ARE BEST FRIENDS
FOREVER
sia@sia-VirtualBox:~/folder1$ chmod +x 3pt3.sh
sia@sia-VirtualBox:~/folder1$ ./3pt3.sh
Program:./3pt3.sh
The number of arguments entered are = 0
The arguments are =
hello
hello
Job finish
sia@sia-VirtualBox:~/folder1$
```