

## Experiment: 3

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

```
Activities Terminal Oct 30 19:28
rohin@rohin-VirtualBox: ~/new

rohin@rohin-VirtualBox:~/new$ nano dir1.sh
rohin@rohin-VirtualBox:~/new$ chmod +x dir1.sh
rohin@rohin-VirtualBox:~/new$ ./dir1.sh
enter file
f1.txt
file exists and it is an ordinary file
rohin@rohin-VirtualBox:~/new$
```

```
GNU nano 6.2 dir1.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

^G Help      ^O Write Out  ^W Where Is   ^K Cut        ^T Execute    ^C Location   M-U Undo     M-A Set Mark
^X Exit      ^R Read File  ^\ Replace    ^U Paste      ^J Justify    ^_ Go To Line  M-E Redo     M-6 Copy
```

- Write a shell script that takes file names as argument and convert all of them to uppercase

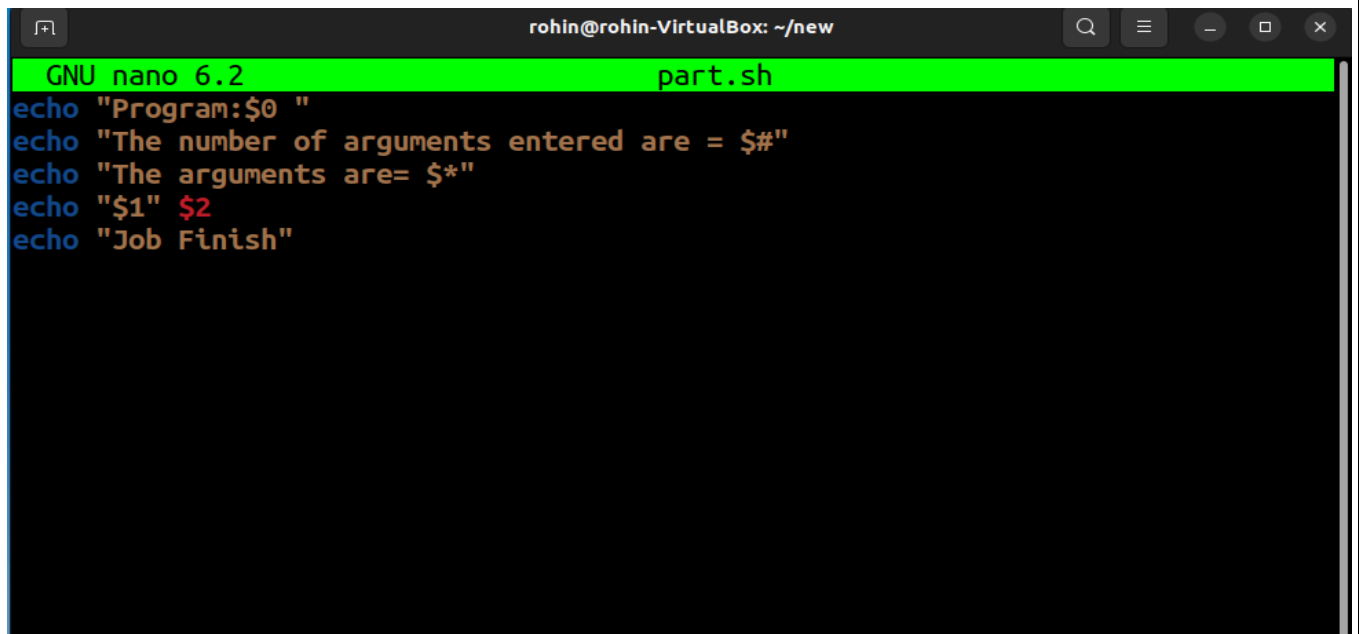
```
rohin@rohin-VirtualBox: ~/new$ nano dir.sh
rohin@rohin-VirtualBox: ~/new$ tr a-z A-Z
dir.sh
DIR.SH
^C
rohin@rohin-VirtualBox: ~/new$
```

```
GNU nano 6.2 dir.sh
# get filename
echo -n "Enter File Name : "
read filename
# make sure file exists for reading
if [ ! -f $filename ]
then
echo "Filename $fileName does not exists"
exit
fi
# convert to uppercase using tr command
tr '[a-z]' < $fileName
```

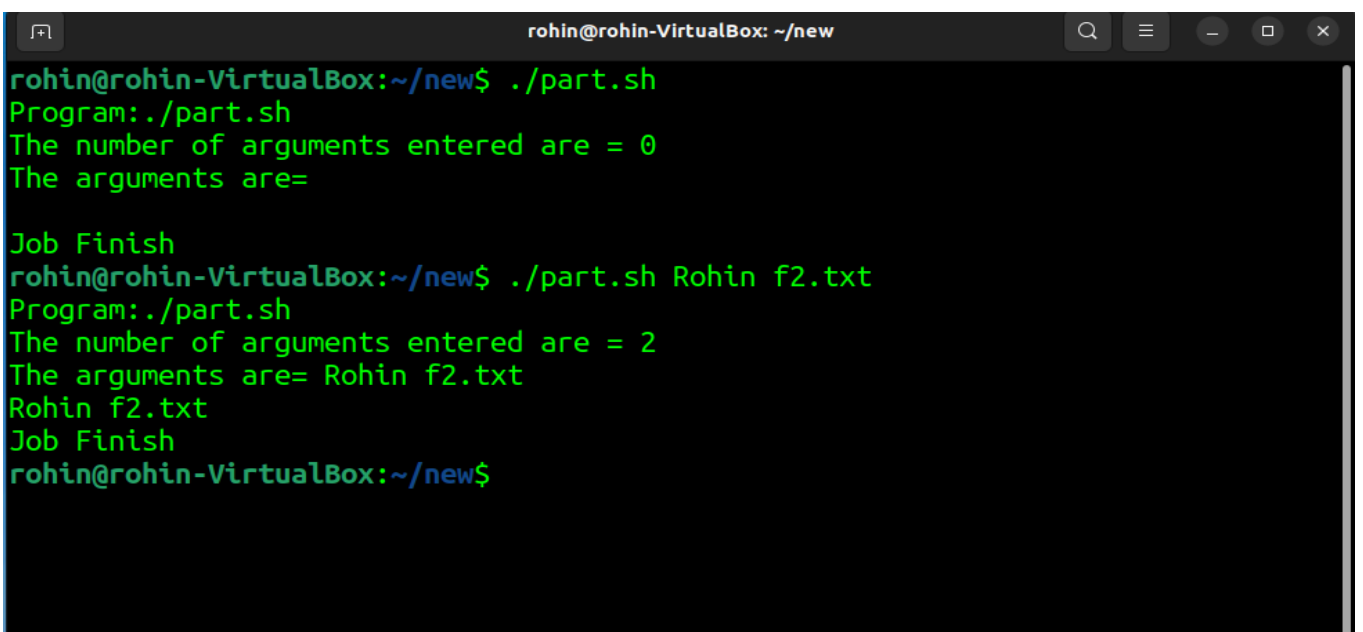
[ Read 11 lines ]

^G Help	^O Write Out	^W Where Is	^K Cut	^T Execute	^C Location	M-U Undo	M-A Set Mark
^X Exit	^R Read File	^_ Replace	^U Paste	^J Justify	^_ Go To Line	M-E Redo	M-G Copy

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



```
rohin@rohin-VirtualBox: ~/new
GNU nano 6.2 part.sh
echo "Program:$0 "
echo "The number of arguments entered are = $#"
```



```
rohin@rohin-VirtualBox: ~/new$ ./part.sh
Program:./part.sh
The number of arguments entered are = 0
The arguments are=

Job Finish
rohin@rohin-VirtualBox:~/new$ ./part.sh Rohin f2.txt
Program:./part.sh
The number of arguments entered are = 2
The arguments are= Rohin f2.txt
Rohin f2.txt
Job Finish
rohin@rohin-VirtualBox:~/new$
```