



EXPERIMENT 3

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CSE SEM 3

OPERATING SYSTEM (COM-312)

(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
```

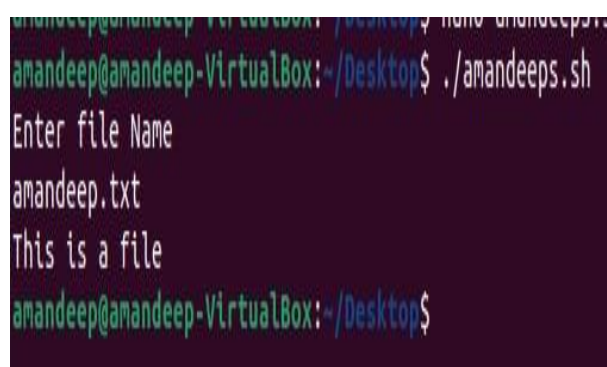
(ctrl+o:save & ctrl+x:exit)

Terminal: chmod +x filename

./nameofthefile.sh



```
echo "Enter 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 dose not exist"
fi
```



```
amandeep@amandeep-VirtualBox: ~/Desktop$ nano amandeeps.sh
amandeep@amandeep-VirtualBox: ~/Desktop$ ./amandeeps.sh
Enter file Name
amandeep.txt
This is a file
amandeep@amandeep-VirtualBox: ~/Desktop$
```

(B) Write a shell script that takes a file name 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
```

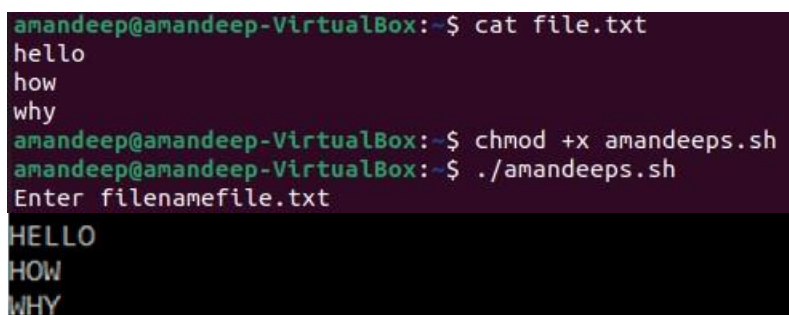
```
fi
```

```
tr '[a-z]' '[A-Z]' < $filename
```

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

Terminal: chmod +x filename

./nameofthefile.sh

A terminal window with a dark purple background. The prompt is 'amandeep@amandeep-VirtualBox:~\$'. The user enters 'cat file.txt' and the output is 'hello', 'how', 'why'. Then the user enters 'chmod +x amandeeps.sh'. Then the user enters './amandeeps.sh'. The prompt changes to 'Enter filename' and the user enters 'file.txt'. The output shows 'HELLO', 'HOW', 'WHY' in all caps.

```
amandeep@amandeep-VirtualBox:~$ cat file.txt
hello
how
why
amandeep@amandeep-VirtualBox:~$ chmod +x amandeeps.sh
amandeep@amandeep-VirtualBox:~$ ./amandeeps.sh
Enter filenamefile.txt
HELLO
HOW
WHY
```