

EXPERIMENT 3 :- (a) Write a shell script that takes a command line argument and reports on whether it is a directory or a file.

IF CONDITION :- The if..... else.....fi statement is the one level advance form control statement that allows shells to make decision out of several conditions.

SYNTAX: - if [(exp)]

Then

Statement (s) to be executed if exp 1 is true.

Elif [(exp 2)]

Statement (s) to be executed if exp2 is true

Else

Statement (S) to be executed if none of the above get true.

Fi

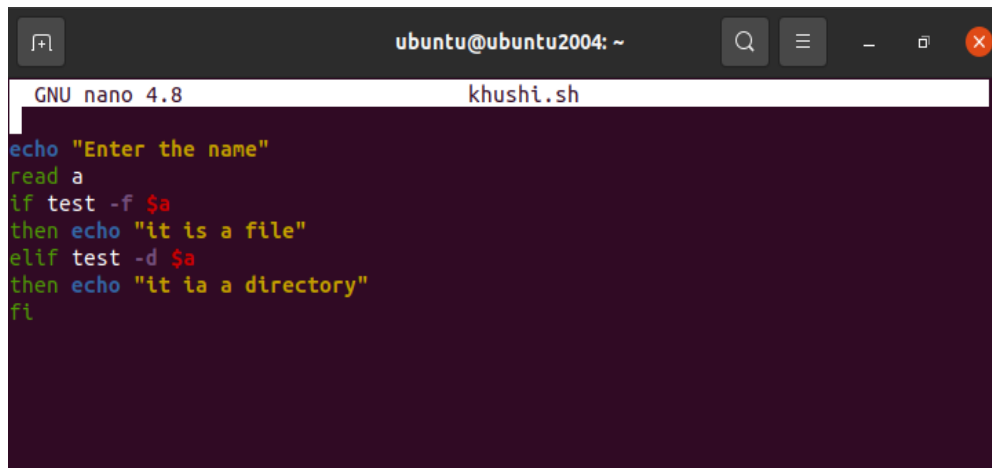
TEST: - Check file type and compares values.

SYNTAX: - Test expression 1 [expression 2]

-f → Check if file or not.

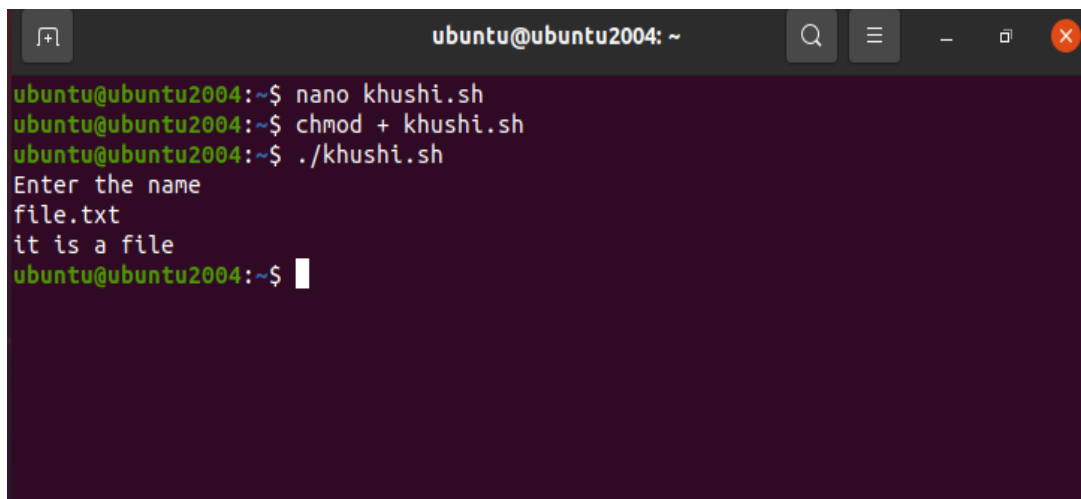
-d → Check if directory or not

# OUTPUTS



A screenshot of a terminal window with the title bar 'ubuntu@ubuntu2004: ~'. The window shows the nano 4.8 editor editing a file named 'khushi.sh'. The script content is as follows:

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



A screenshot of a terminal window with the title bar 'ubuntu@ubuntu2004: ~'. It shows the execution of the script 'khushi.sh' created in the previous screenshot. The user enters 'file.txt' when prompted, and the script outputs 'it is a file'.

```
ubuntu@ubuntu2004:~$ nano khushi.sh
ubuntu@ubuntu2004:~$ chmod + khushi.sh
ubuntu@ubuntu2004:~$ ./khushi.sh
Enter the name
file.txt
it is a file
ubuntu@ubuntu2004:~$
```

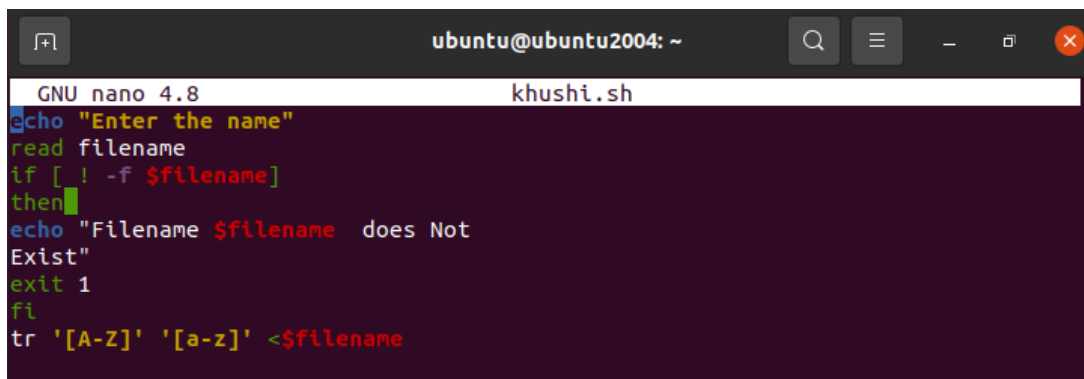
(b) Write a shell script that takes file names as arguments and convert all of them to upper case.

Tr COMMAND: - 'tr' translate characters syntax of tr command is

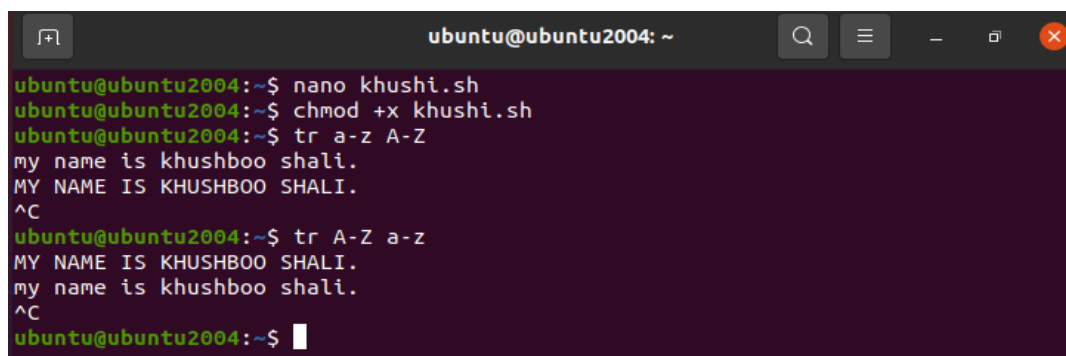
SYNTAX: - tr [option][SET1][SET2]

If both the[SET1] & [SET2] are specified and “-d” option is not specified then tr command will replace each character is[SET1] with each character in some position in [SET 2].We use lower case in [SET1] and upper case in [SET2].

# OUTPUT



```
ubuntu@ubuntu2004: ~  
GNU nano 4.8 khushi.sh  
echo "Enter the name"  
read filename  
if [ ! -f $filename]  
then  
echo "Filename $filename does Not  
Exist"  
exit 1  
fi  
tr '[A-Z]' '[a-z]' <$filename
```



```
ubuntu@ubuntu2004: ~  
ubuntu@ubuntu2004:~$ nano khushi.sh  
ubuntu@ubuntu2004:~$ chmod +x khushi.sh  
ubuntu@ubuntu2004:~$ tr a-z A-Z  
my name is khushboo shali.  
MY NAME IS KHUSHBOO SHALI.  
^C  
ubuntu@ubuntu2004:~$ tr A-Z a-z  
MY NAME IS KHUSHBOO SHALI.  
my name is khushboo shali.  
^C  
ubuntu@ubuntu2004:~$
```

