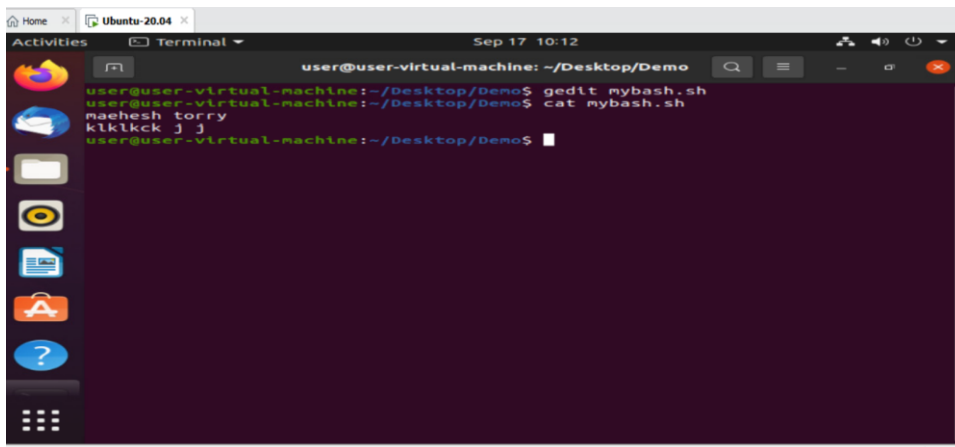


1. Gedit filename.sh

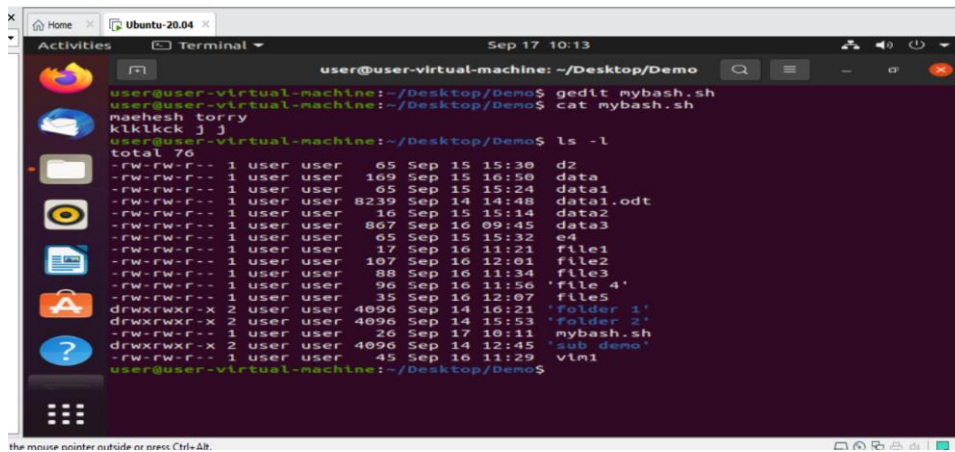
Gedit is used to Create a file



```
user@user-virtual-machine: ~/Desktop/Demo
user@user-virtual-machine:~/Desktop/Demo$ gedit mybash.sh
user@user-virtual-machine:~/Desktop/Demo$ cat mybash.sh
maehesh torry
klklck j j
user@user-virtual-machine:~/Desktop/Demo$
```

2. Cat

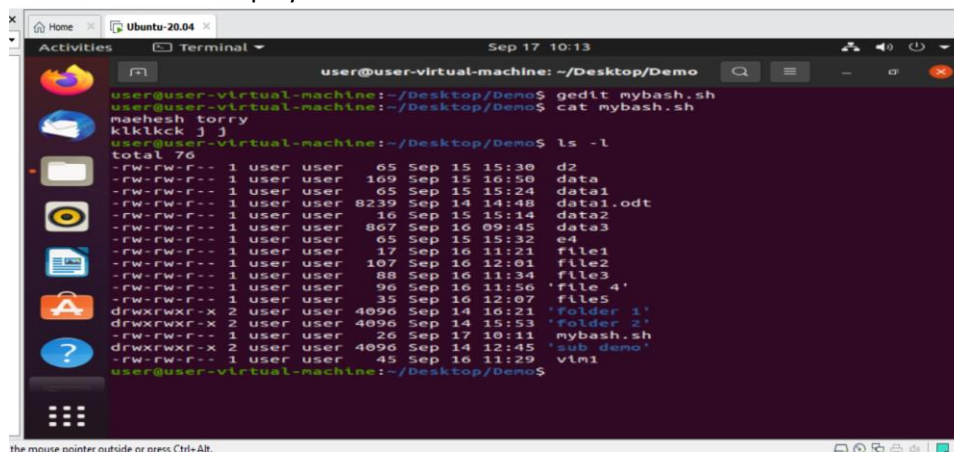
This command displays the output



```
user@user-virtual-machine:~/Desktop/Demo$ gedit mybash.sh
user@user-virtual-machine:~/Desktop/Demo$ cat mybash.sh
maehesh torry
klklck j j
user@user-virtual-machine:~/Desktop/Demo$ ls -l
total 76
-rw-rw-r-- 1 user user 65 Sep 15 15:30 d2
-rw-rw-r-- 1 user user 169 Sep 15 16:50 data
-rw-rw-r-- 1 user user 65 Sep 15 15:24 data1
-rw-rw-r-- 1 user user 8239 Sep 14 14:48 data1.odt
-rw-rw-r-- 1 user user 16 Sep 15 15:14 data2
-rw-rw-r-- 1 user user 867 Sep 16 09:45 data3
-rw-rw-r-- 1 user user 65 Sep 15 15:32 e4
-rw-rw-r-- 1 user user 17 Sep 16 11:21 file1
-rw-rw-r-- 1 user user 107 Sep 16 12:01 file2
-rw-rw-r-- 1 user user 88 Sep 16 11:34 file3
-rw-rw-r-- 1 user user 96 Sep 16 11:56 'file 4'
-rw-rw-r-- 1 user user 35 Sep 16 12:07 file5
drwxrwxr-x 2 user user 4096 Sep 14 16:21 'folder 1'
drwxrwxr-x 2 user user 4096 Sep 14 15:53 'folder 2'
-rw-rw-r-- 1 user user 26 Sep 17 10:11 mybash.sh
drwxrwxr-x 2 user user 4096 Sep 14 12:45 'sub demo'
-rw-rw-r-- 1 user user 45 Sep 16 11:29 vim1
user@user-virtual-machine:~/Desktop/Demo$
```

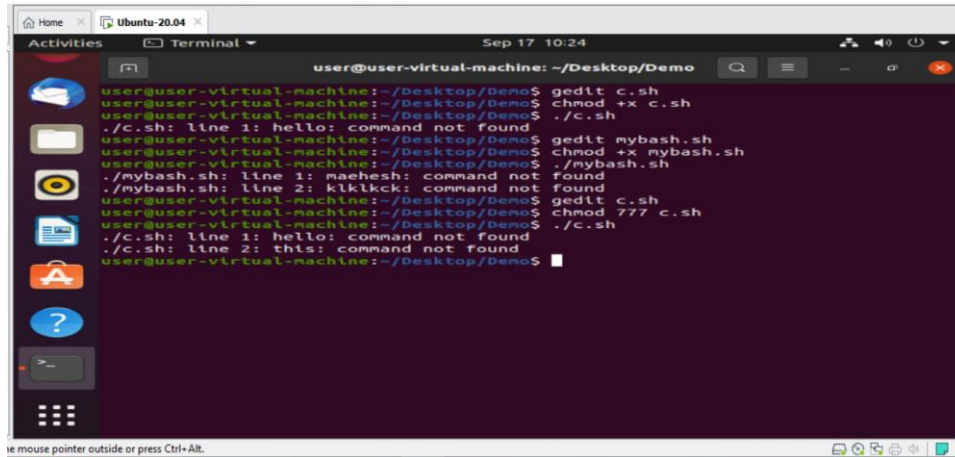
3.Ls-l

This comand displays the list of all files and directories with d



```
user@user-virtual-machine:~/Desktop/Demo$ gedit mybash.sh
user@user-virtual-machine:~/Desktop/Demo$ cat mybash.sh
maehesh torry
klklck j j
user@user-virtual-machine:~/Desktop/Demo$ ls -l
total 76
-rw-rw-r-- 1 user user 65 Sep 15 15:30 d2
-rw-rw-r-- 1 user user 169 Sep 15 16:50 data
-rw-rw-r-- 1 user user 65 Sep 15 15:24 data1
-rw-rw-r-- 1 user user 8239 Sep 14 14:48 data1.odt
-rw-rw-r-- 1 user user 16 Sep 15 15:14 data2
-rw-rw-r-- 1 user user 867 Sep 16 09:45 data3
-rw-rw-r-- 1 user user 65 Sep 15 15:32 e4
-rw-rw-r-- 1 user user 17 Sep 16 11:21 file1
-rw-rw-r-- 1 user user 107 Sep 16 12:01 file2
-rw-rw-r-- 1 user user 88 Sep 16 11:34 file3
-rw-rw-r-- 1 user user 96 Sep 16 11:56 'file 4'
-rw-rw-r-- 1 user user 35 Sep 16 12:07 file5
drwxrwxr-x 2 user user 4096 Sep 14 16:21 'folder 1'
drwxrwxr-x 2 user user 4096 Sep 14 15:53 'folder 2'
-rw-rw-r-- 1 user user 26 Sep 17 10:11 mybash.sh
drwxrwxr-x 2 user user 4096 Sep 14 12:45 'sub demo'
-rw-rw-r-- 1 user user 45 Sep 16 11:29 vim1
user@user-virtual-machine:~/Desktop/Demo$
```

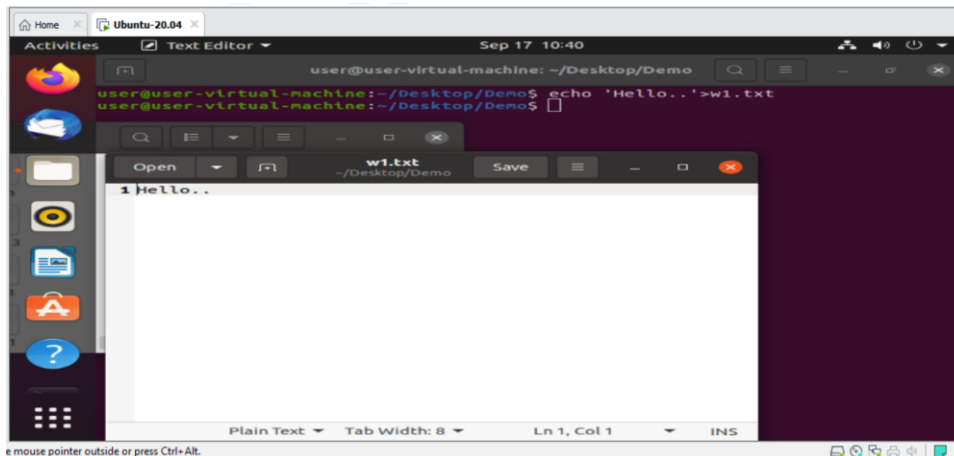
3. Chmod +x filename



A terminal window titled 'Terminal' with a tab 'Ubuntu-20.04'. The prompt is 'user@user-virtual-machine: ~/Desktop/Demo'. The user enters the following commands and receives the following output:

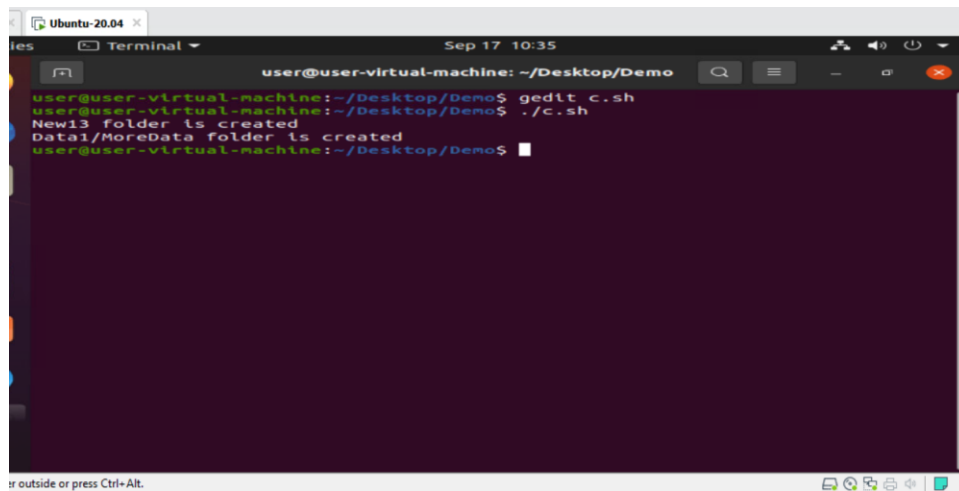
```
gedit c.sh
user@user-virtual-machine:~/Desktop/Demo$ chmod +x c.sh
user@user-virtual-machine:~/Desktop/Demo$ ./c.sh
./c.sh: line 1: hello: command not found
user@user-virtual-machine:~/Desktop/Demo$ gedit mybash.sh
user@user-virtual-machine:~/Desktop/Demo$ chmod +x mybash.sh
user@user-virtual-machine:~/Desktop/Demo$ ./mybash.sh
./mybash.sh: line 1: maeshesh: command not found
./mybash.sh: line 2: kllkck: command not found
user@user-virtual-machine:~/Desktop/Demo$ gedit c.sh
user@user-virtual-machine:~/Desktop/Demo$ chmod 777 c.sh
user@user-virtual-machine:~/Desktop/Demo$ ./c.sh
./c.sh: line 2: this: command not found
user@user-virtual-machine:~/Desktop/Demo$
```

4. Echo filename



A terminal window titled 'Terminal' with a tab 'Ubuntu-20.04'. The prompt is 'user@user-virtual-machine: ~/Desktop/Demo'. The user enters the command: `echo 'Hello..'>w1.txt`. The output is: `user@user-virtual-machine:~/Desktop/Demo$`. A text editor window titled 'Text Editor' with a tab 'w1.txt' is open, showing the content: `1|Hello..`. The status bar at the bottom of the text editor shows 'Plain Text', 'Tab Width: 8', 'Ln 1, Col 1', and 'INS'.

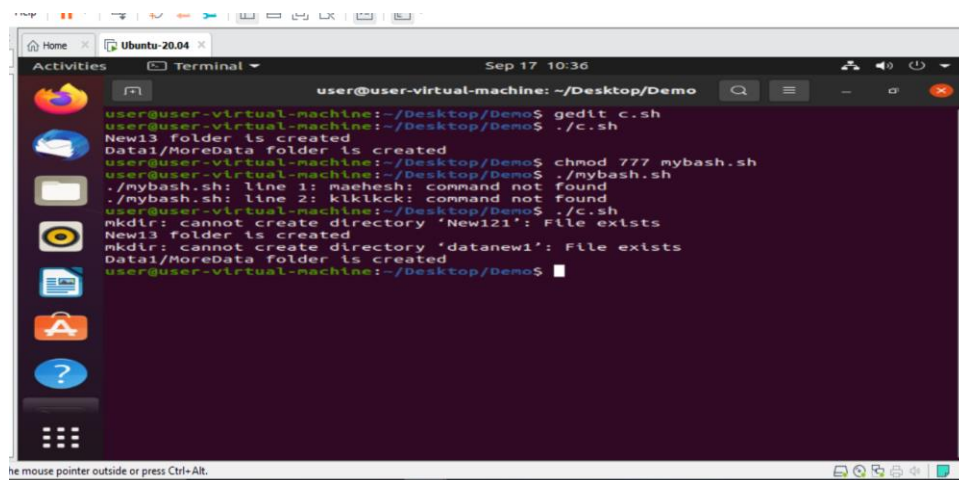
6.create new file/folder



A terminal window titled 'Ubuntu-20.04' with a search bar and window controls. The prompt is 'user@user-virtual-machine: ~/Desktop/Demo'. The user enters 'gedit c.sh', opening a text editor. Then they enter './c.sh', which outputs 'New13 folder is created' and 'Data1/MoreData folder is created'. The prompt returns to 'user@user-virtual-machine: ~/Desktop/Demo\$'.

```
user@user-virtual-machine: ~/Desktop/Demo$ gedit c.sh
user@user-virtual-machine: ~/Desktop/Demo$ ./c.sh
New13 folder is created
Data1/MoreData folder is created
user@user-virtual-machine: ~/Desktop/Demo$
```

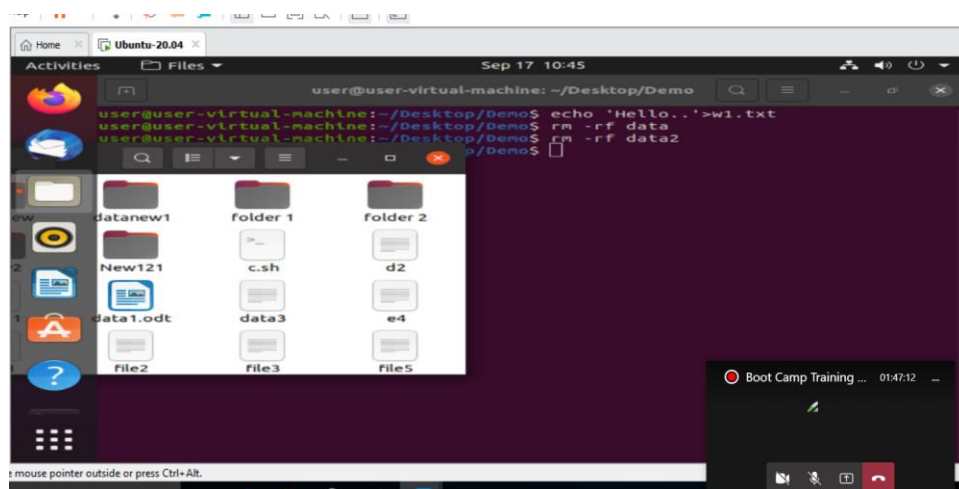
7.chmod 777 filename



A terminal window titled 'Ubuntu-20.04' with a search bar and window controls. The prompt is 'user@user-virtual-machine: ~/Desktop/Demo'. The user enters 'gedit c.sh', then './c.sh', which outputs 'New13 folder is created' and 'Data1/MoreData folder is created'. Then they enter 'chmod 777 mybash.sh', followed by './mybash.sh'. This results in two error messages: './mybash.sh: line 1: maehesh: command not found' and './mybash.sh: line 2: kikiick: command not found'. Then they enter './c.sh', which outputs 'mkdir: cannot create directory 'New121': File exists' and 'mkdir: cannot create directory 'datanew1': File exists'. The prompt returns to 'user@user-virtual-machine: ~/Desktop/Demo\$'.

```
user@user-virtual-machine: ~/Desktop/Demo$ gedit c.sh
user@user-virtual-machine: ~/Desktop/Demo$ ./c.sh
New13 folder is created
Data1/MoreData folder is created
user@user-virtual-machine: ~/Desktop/Demo$ chmod 777 mybash.sh
user@user-virtual-machine: ~/Desktop/Demo$ ./mybash.sh
./mybash.sh: line 1: maehesh: command not found
./mybash.sh: line 2: kikiick: command not found
user@user-virtual-machine: ~/Desktop/Demo$ ./c.sh
mkdir: cannot create directory 'New121': File exists
mkdir: cannot create directory 'datanew1': File exists
user@user-virtual-machine: ~/Desktop/Demo$
```

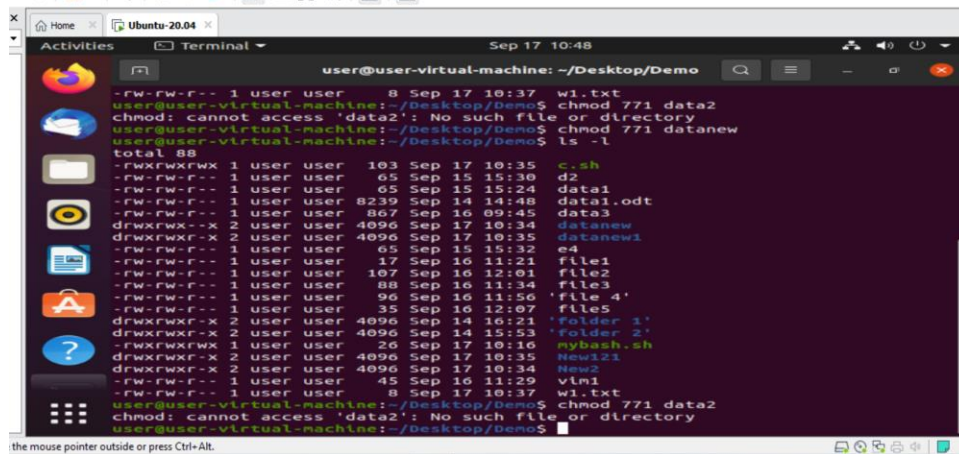
8.rm -rf filename



A terminal window titled 'Ubuntu-20.04' with a search bar and window controls. The prompt is 'user@user-virtual-machine: ~/Desktop/Demo'. The user enters 'echo 'Hello..'>w1.txt', then 'rm -rf data', and finally 'rm -rf data2'. The prompt returns to 'user@user-virtual-machine: ~/Desktop/Demo\$'. A file manager window is overlaid on the terminal, showing a grid of files and folders: 'datanew1', 'folder 1', 'folder 2', 'New121', 'c.sh', 'd2', 'data1.odt', 'data3', 'e4', 'File2', 'File3', and 'File5'. A 'Boot Camp Training' window is also visible in the bottom right corner.

```
user@user-virtual-machine: ~/Desktop/Demo$ echo 'Hello..'>w1.txt
user@user-virtual-machine: ~/Desktop/Demo$ rm -rf data
user@user-virtual-machine: ~/Desktop/Demo$ rm -rf data2
user@user-virtual-machine: ~/Desktop/Demo$
```

9.chmod 771 filename

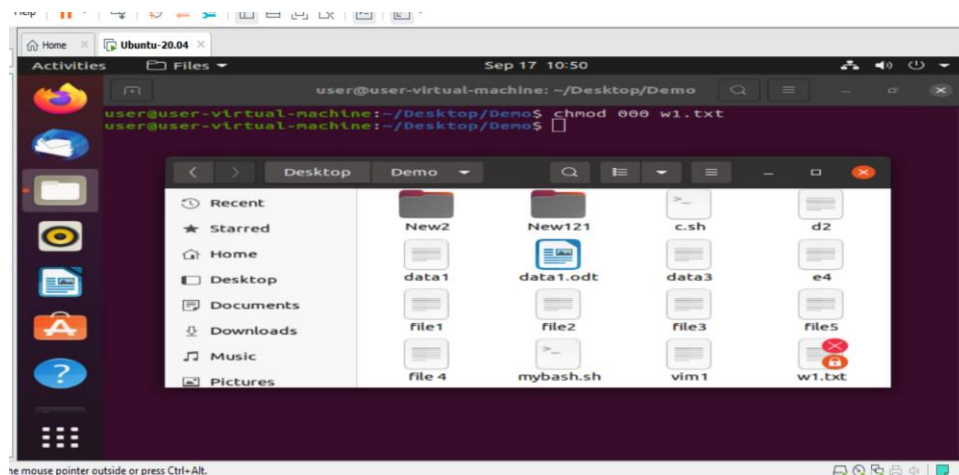


The terminal window shows the user at the prompt `user@user-virtual-machine: ~/Desktop/Demo`. The user runs `ls -l` and receives the following output:

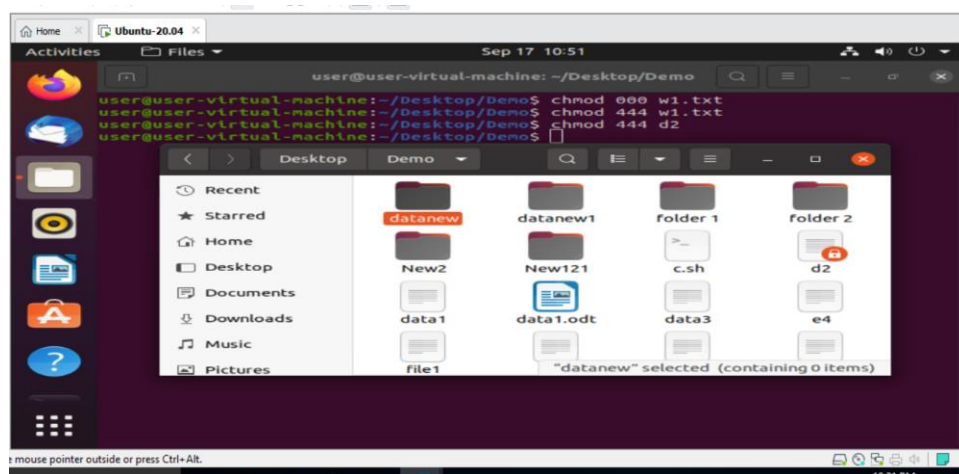
```
total 88
-rwxrwxrwx 1 user user 103 Sep 17 10:35 c.sh
-rw-rw-r-- 1 user user 65 Sep 15 15:30 d2
-rw-rw-r-- 1 user user 65 Sep 15 15:24 data1
-rw-rw-r-- 1 user user 8239 Sep 14 14:48 data1.odt
-rw-rw-r-- 1 user user 867 Sep 16 09:45 data3
drwxrwx--x 2 user user 4096 Sep 17 10:34 datanew
drwxrwx--x 2 user user 4096 Sep 17 10:35 datanew1
-rw-rw-r-- 1 user user 65 Sep 15 15:32 e4
-rw-rw-r-- 1 user user 17 Sep 16 11:21 file1
-rw-rw-r-- 1 user user 107 Sep 16 12:01 file2
-rw-rw-r-- 1 user user 88 Sep 16 11:34 file3
-rw-rw-r-- 1 user user 96 Sep 16 11:56 'file 4'
-rw-rw-r-- 1 user user 35 Sep 16 12:07 file5
drwxrwx--x 2 user user 4096 Sep 14 16:21 'folder 1'
drwxrwx--x 2 user user 4096 Sep 14 15:53 'folder 2'
-rwxrwxrwx 1 user user 26 Sep 17 10:16 mybash.sh
drwxrwx--x 2 user user 4096 Sep 17 10:35 New121
drwxrwx--x 2 user user 4096 Sep 17 10:34 New2
-rw-rw-r-- 1 user user 45 Sep 16 11:29 vim1
-rw-rw-r-- 1 user user 8 Sep 17 10:37 w1.txt
```

The user then runs `chmod 771 data2` and receives the error: `chmod: cannot access 'data2': No such file or directory`. The user then runs `chmod 771 datanew` and receives the error: `chmod: cannot access 'data2': No such file or directory`.

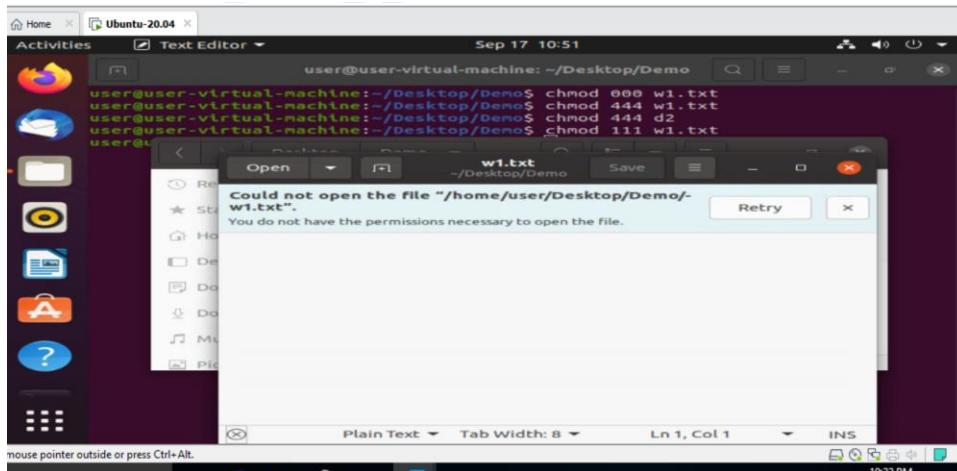
10.chmod 000 filename



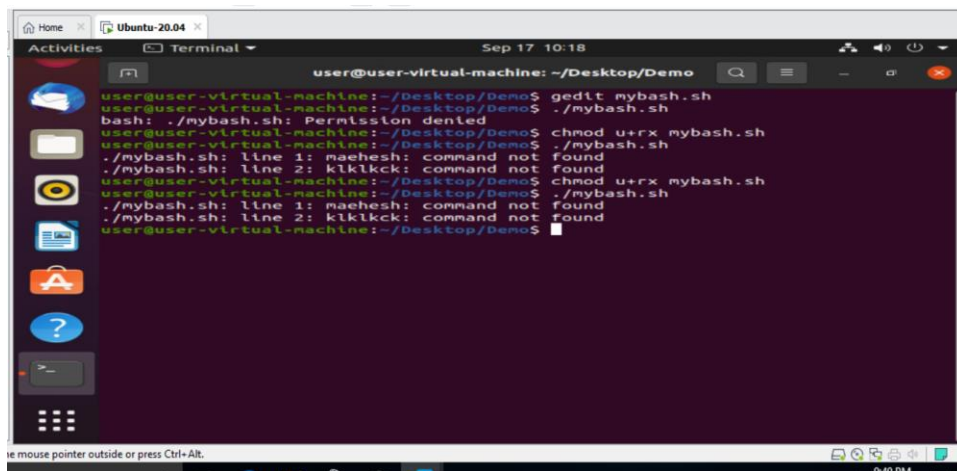
11.chmod 444 filename



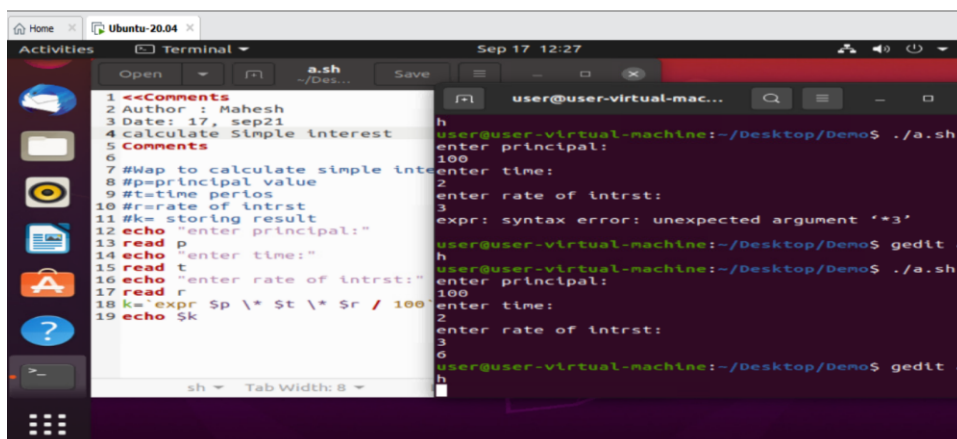
12.chmod 111 filename



13. Chmod u+rx filename



14. Program to print simple interest



15. Shell Script to print half pyramid using

```
rows=4
for((i=1; i<=rows; i++))
do
for((j=1; j<=i; j++))
do
echo -n "* "
done
echo
Done
```

Shell Script to print inverted half pyramid using numbers

```
number=1
rows=5
for((i=rows; i>=1; i--))
do
for((j=1; j<=i; j++))
do
echo -n "$number "
number=$((number + 1))
done
number=1
echo
Done
```

Shell Script to print multiple table using user given number

```
echo "Enter a Number"
read n
i=0
while [ $i -le 10 ]
```

Do

echo " \$n x \$i = `expr \$n * \$i`"

i=`expr \$i + 1`

done