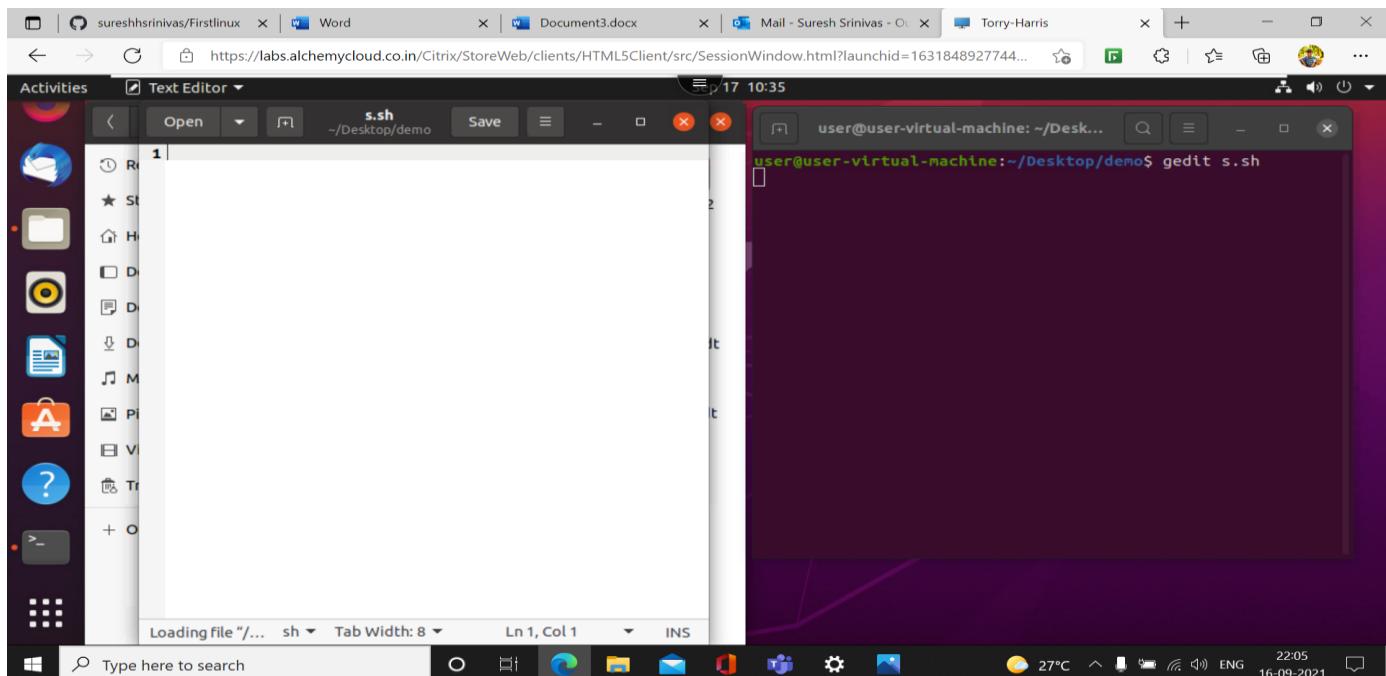
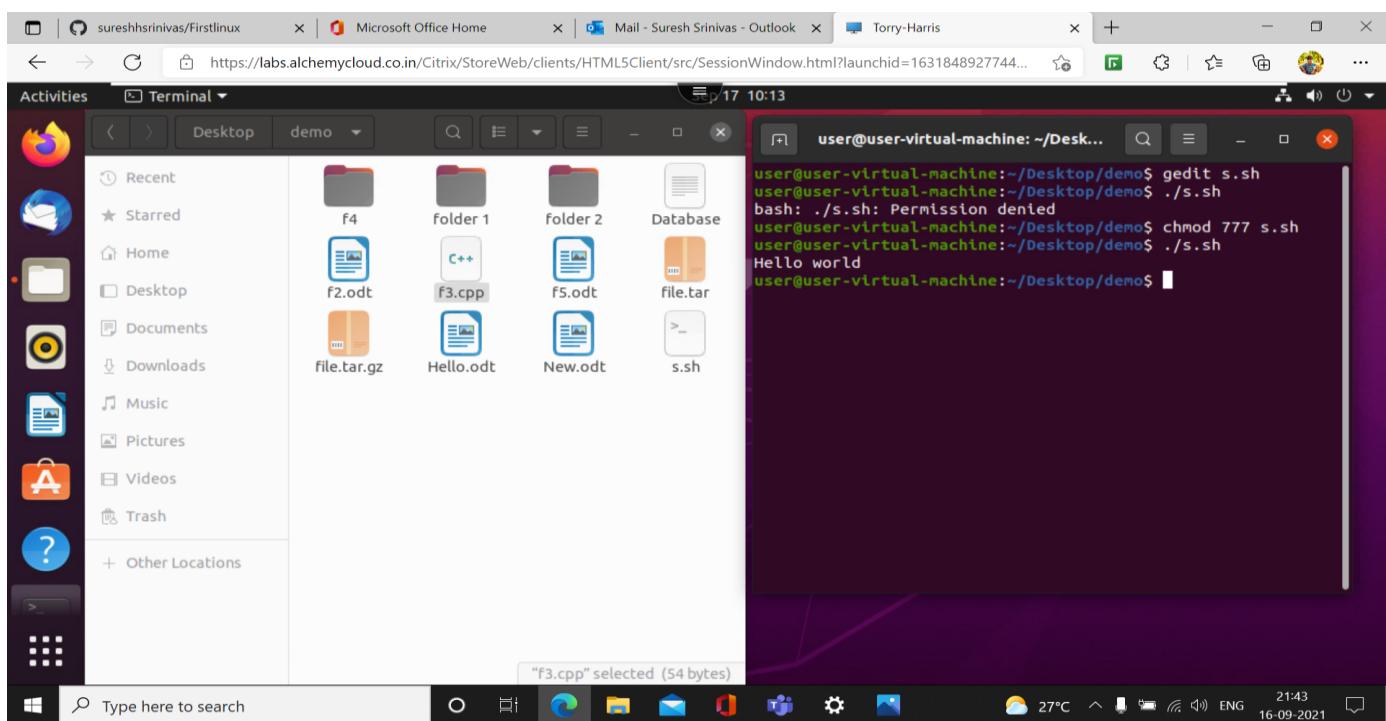


Linux Commands

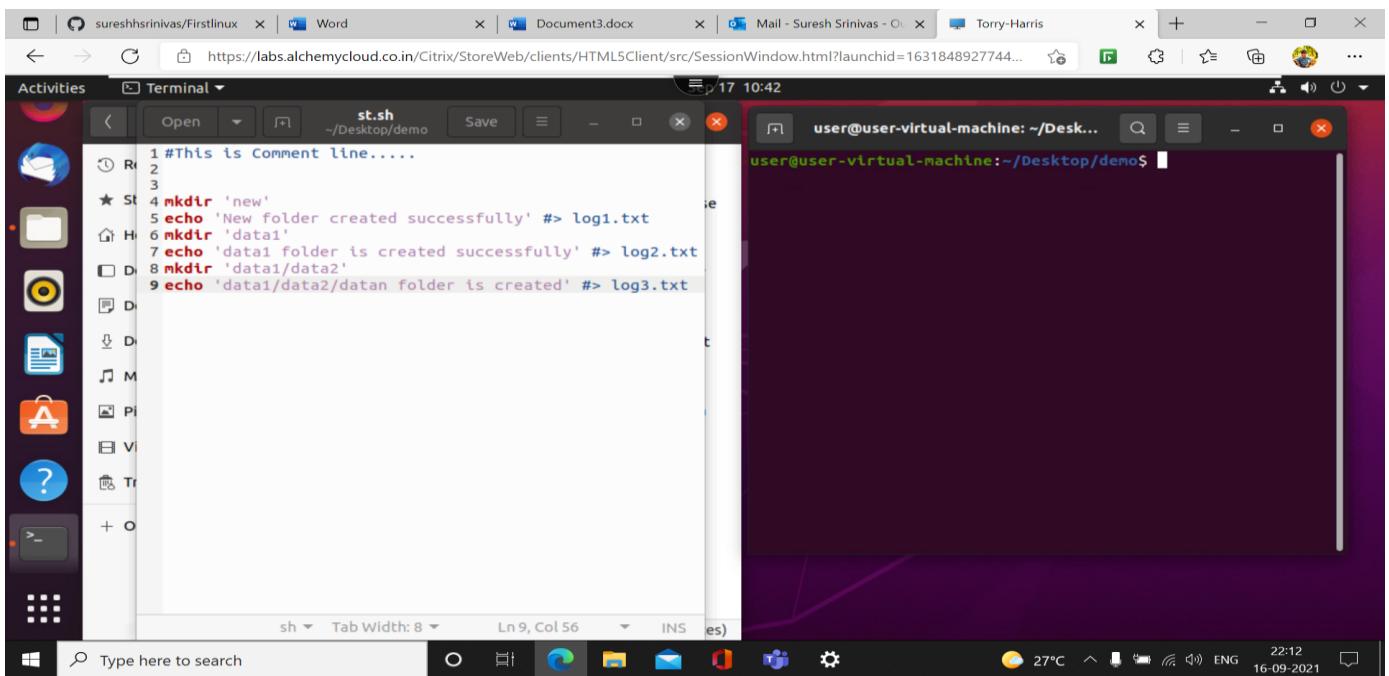
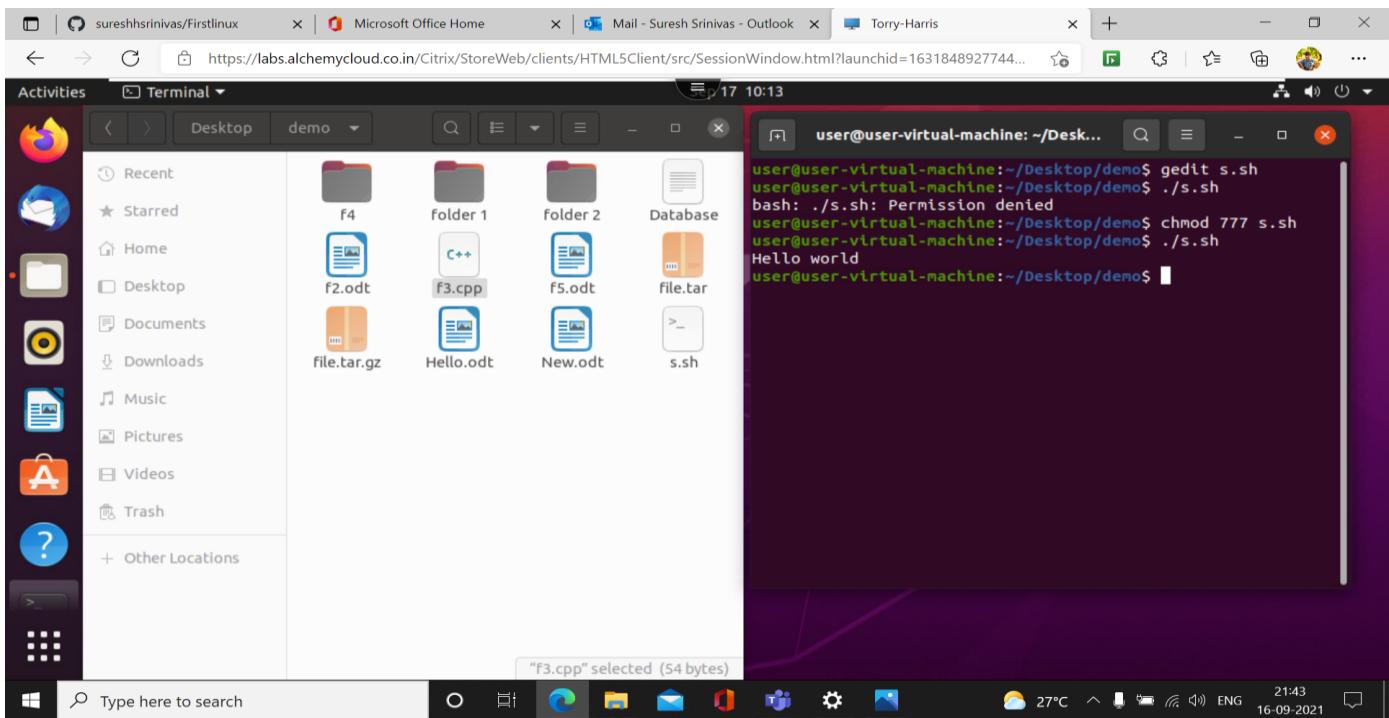
1). \$gedit filename.sh :- this command helps into create new empty file.

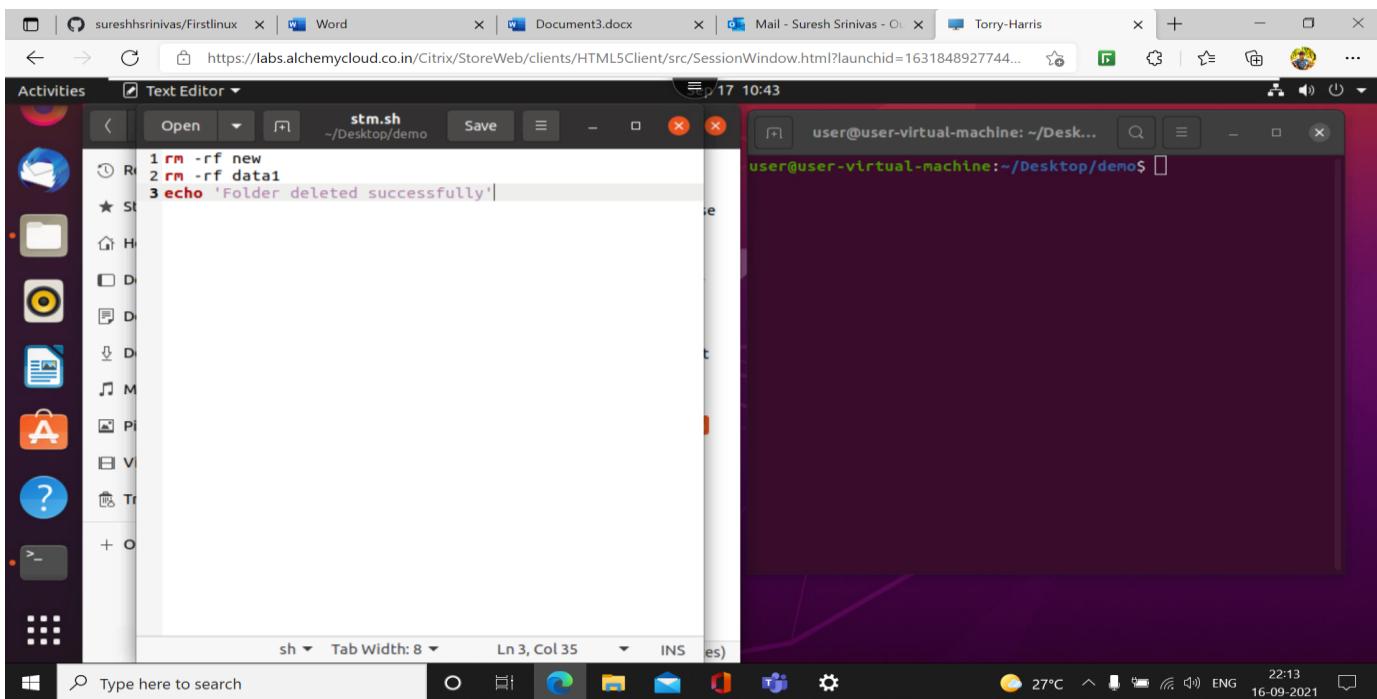
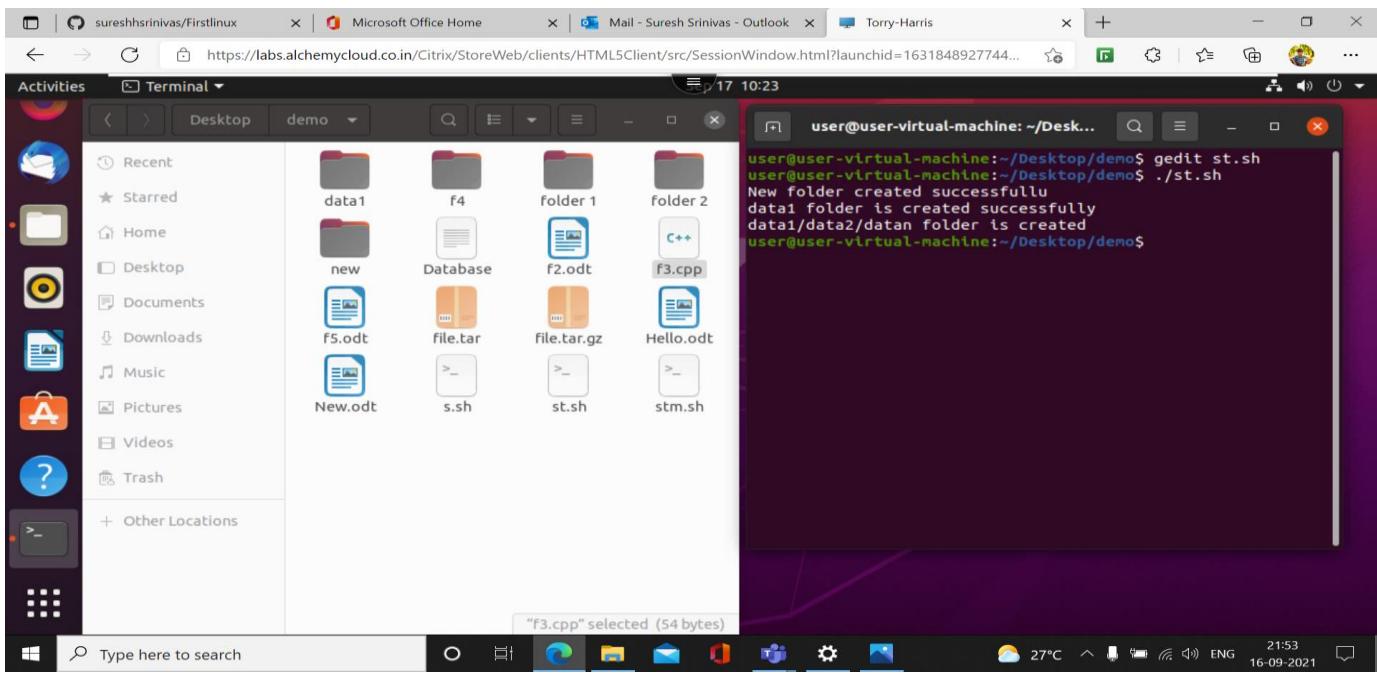


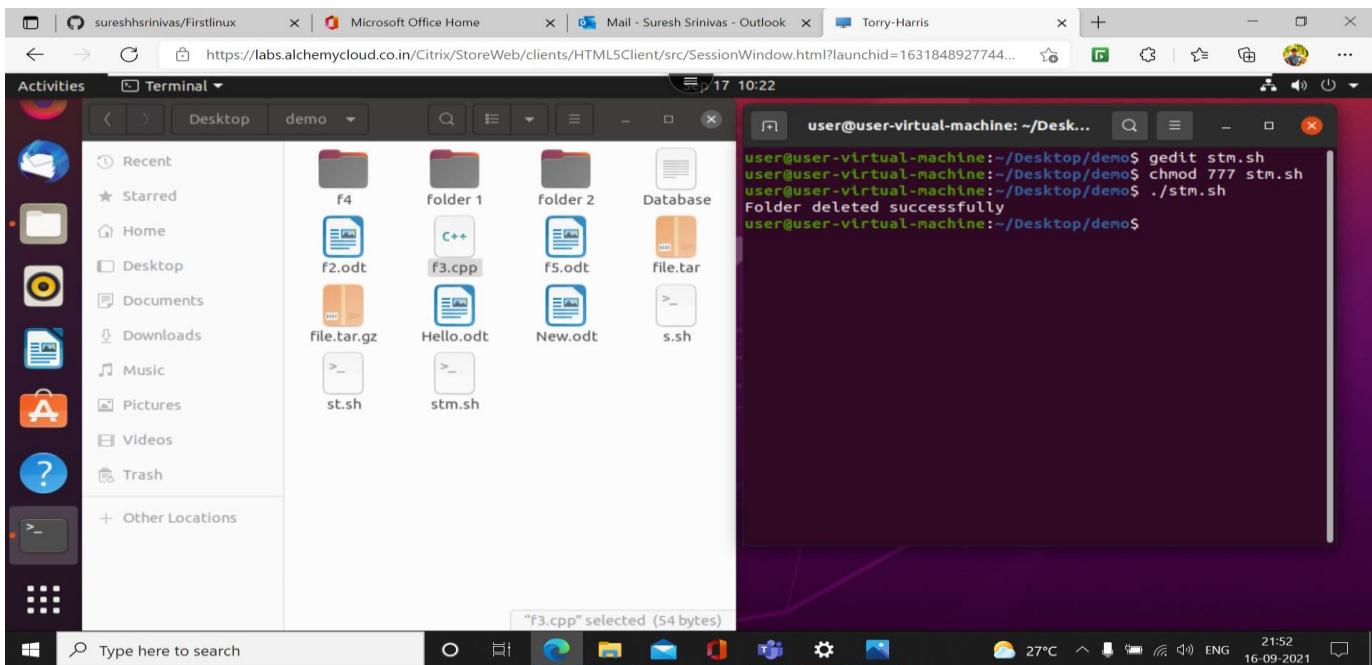
2). \$chmod 777 filename.sh :- this command used to give read write execute permission to the directory.



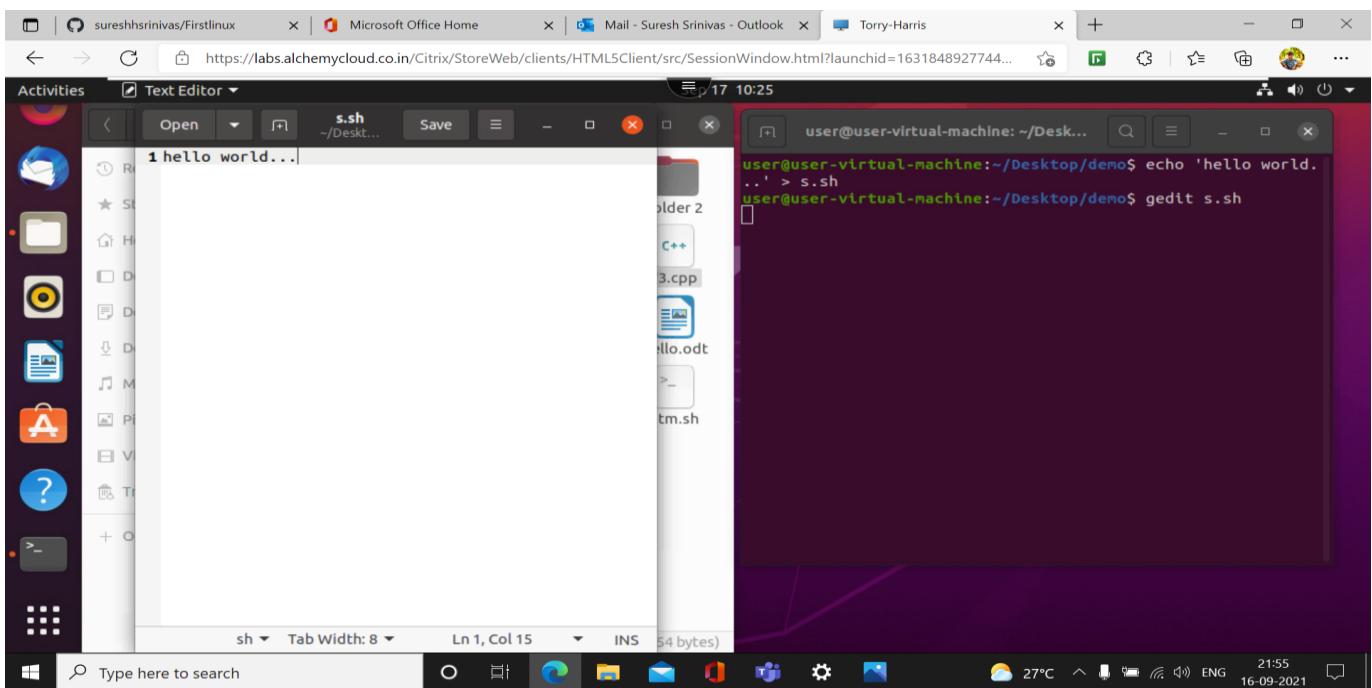
3). \$./filename.sh :- this command is used to execute the created file.







4). \$echo 'content' > filename.extension :- this command is used to enter the data from terminal which is already created file and we can use this command for adding data to new file directly.



```
1 hello everyone this linux training....
```

```
user@user-virtual-machine:~/Desktop/demo$ echo 'hello world.' > s.sh
```

5). In the below picture we can create log file from file itself without the help of terminal.

```
1 #This is Comment line....
```

```
2
```

```
3
```

```
4 mkdir 'new'
```

```
5 echo 'New folder created successfully' > log1.txt
```

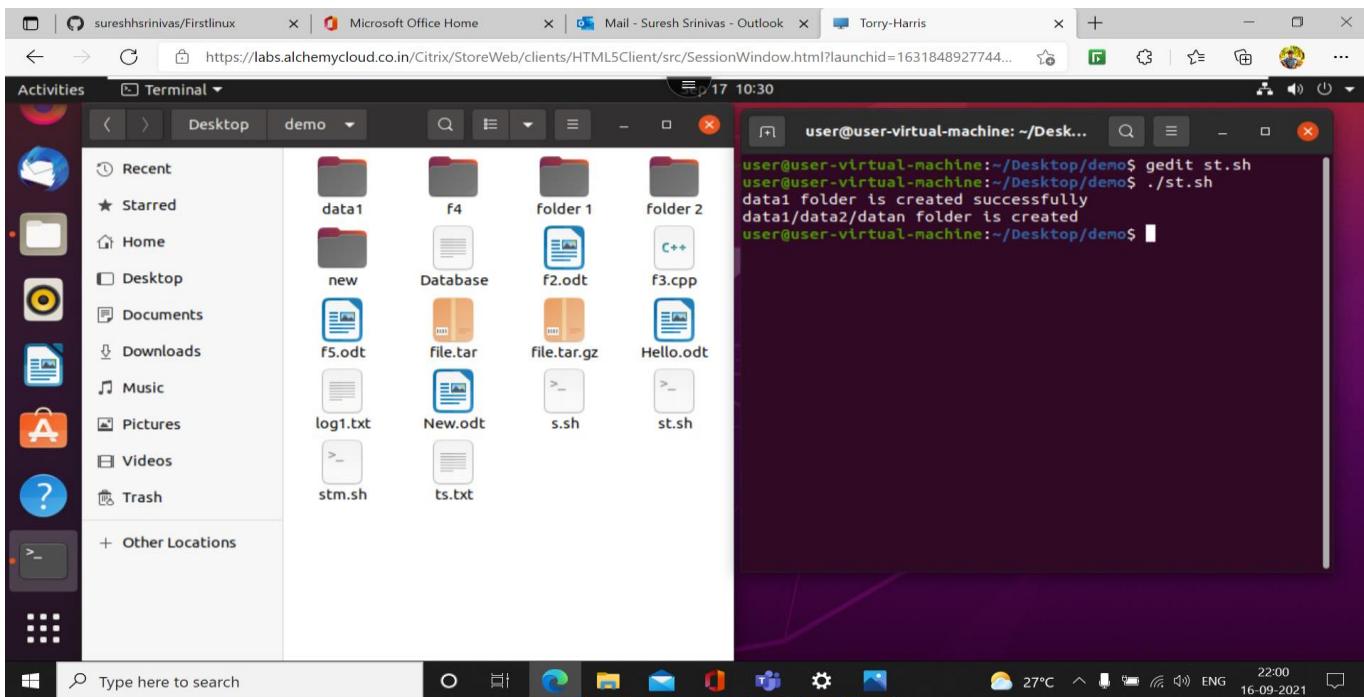
```
6 mkdir 'data1'
```

```
7 echo 'data1 folder is created successfully'
```

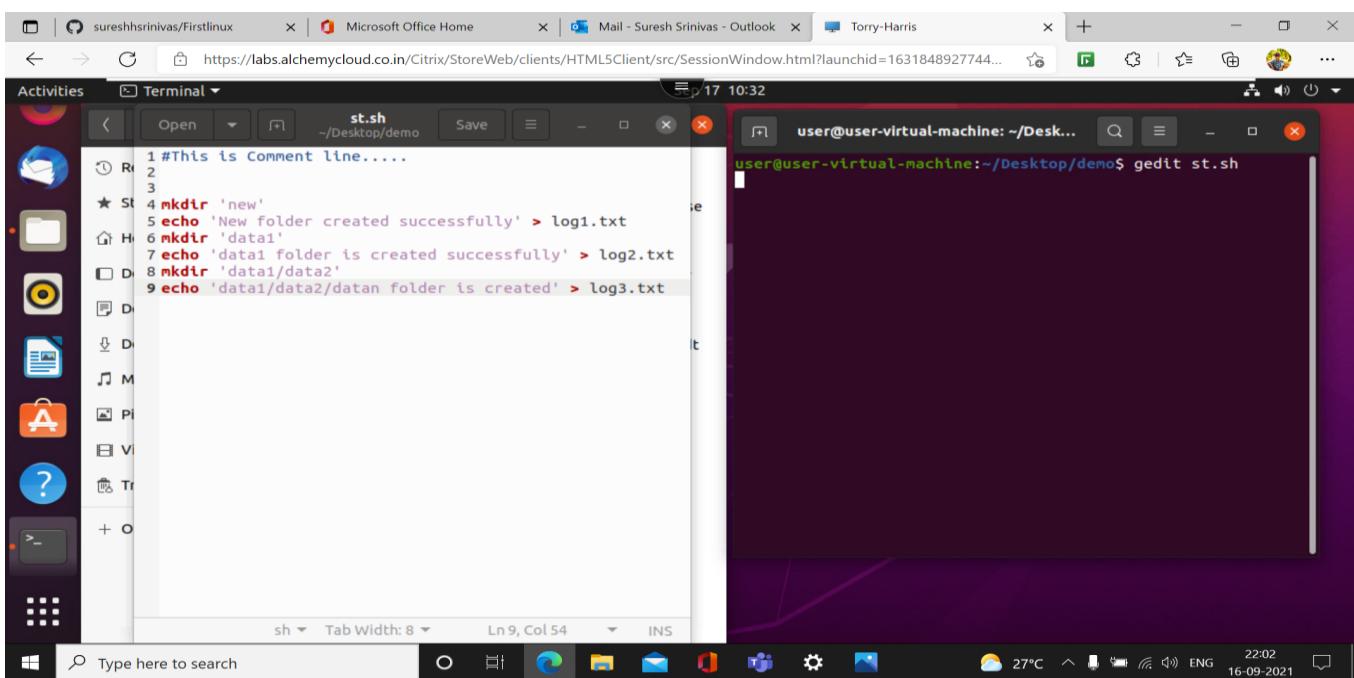
```
8 mkdir 'data1/data2'
```

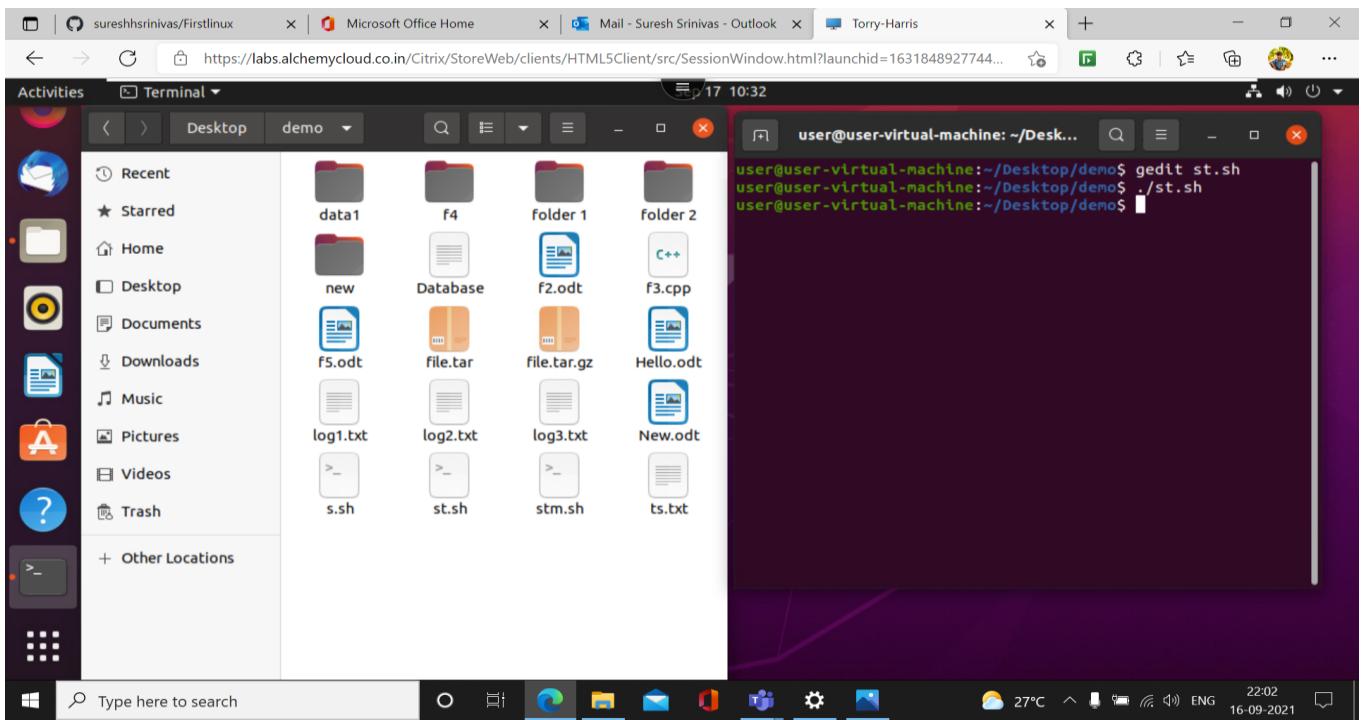
```
9 echo 'data1/data2/datan folder is created'
```

```
user@user-virtual-machine:~/Desktop/demo$ gedit st.sh
```

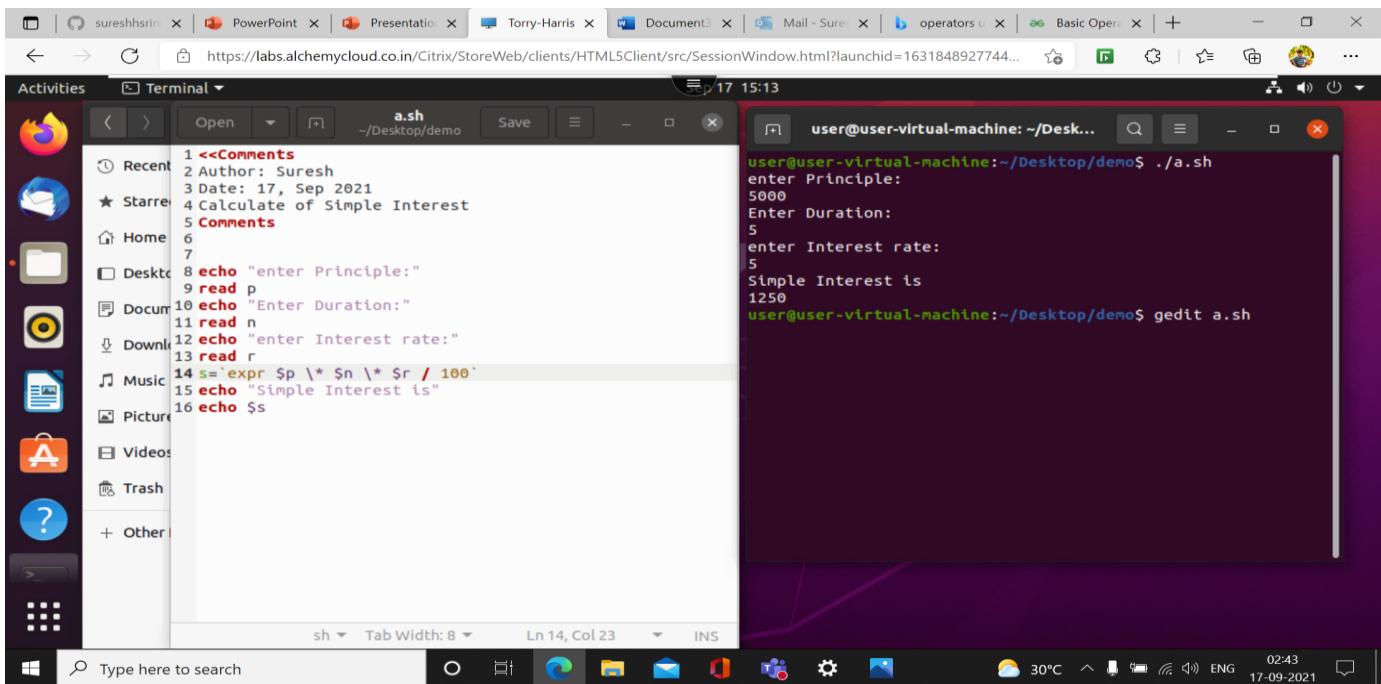


Like this we can create multiple log files in the single file.





6). WAP to calculate the Simple Interest in Shell script.



7). WAP to calculate the Circumference of Circle.

A screenshot of a Windows desktop environment. In the center is a terminal window titled "Terminal" showing a shell script named "b.sh". The script calculates the circumference of a circle given its radius. The terminal output shows the script being run, prompting for input, and displaying the result. The desktop background is purple, and the taskbar at the bottom shows various open applications like PowerPoint, Mail, and operators.

```
1 <<Comments
2 Author: Suresh
3 Date: 17, Sep 2021
4 Calculate of circumference of circle
5 Comments
6
7 echo -n "Enter the radius of circle :"
8 read r
9 d=$(echo "scale=2;2 * $r" | bc)
10 circumference=$(echo "scale=2;3.14 * $d" | bc)
11 echo "circumference of circle is $circumference"
```

```
user@user-virtual-machine:~/Desktop/demo$ ./b.sh
Enter the radius of circle :5
circumference of circle is 31.40
user@user-virtual-machine:~/Desktop/demo$ gedit b.sh
```

8). WAP to calculate Diagonal of Rectangle.

A screenshot of a Windows desktop environment. In the center is a terminal window titled "Terminal" showing a shell script named "c.sh". The script calculates the diagonal of a rectangle given its breadth and length. The terminal output shows the script being run, prompting for input, and displaying the result. The desktop background is purple, and the taskbar at the bottom shows various open applications like PowerPoint, Mail, and operators.

```
1 <<Comments
2 Author: Suresh
3 Date: 17, Sep 2021
4 Calculate of Diagonal of rectangle
5 Comments
6
7 echo "diagonal calculation"
8 echo "Enter the breadth of rectangle"
9 read a
10 echo "Enter the length of rectangle"
11 read b
12 d=$((($a*$a)+($b*$b)))
13 sqrt=$(bc <<< "scale=3; sqrt($d)")
14 echo "the diagonal of rectangle is $sqrt"
```

```
user@user-virtual-machine:~/Desktop/demo$ ./c.sh
diagonal calculation
Enter the breadth of rectangle
10
Enter the length of rectangle
10
the diagonal of rectangle is 14.142
user@user-virtual-machine:~/Desktop/demo$ gedit c.sh
```

9). WAP to print the table of a Number.

```
echo "Enter a Number"
```

```
read n
```

```
i=1
```

```
while [ $i -le 10]
```

```
do
```

```
echo " $n * $i = $(( n * i ))"
```

i = \${i + 1})

done