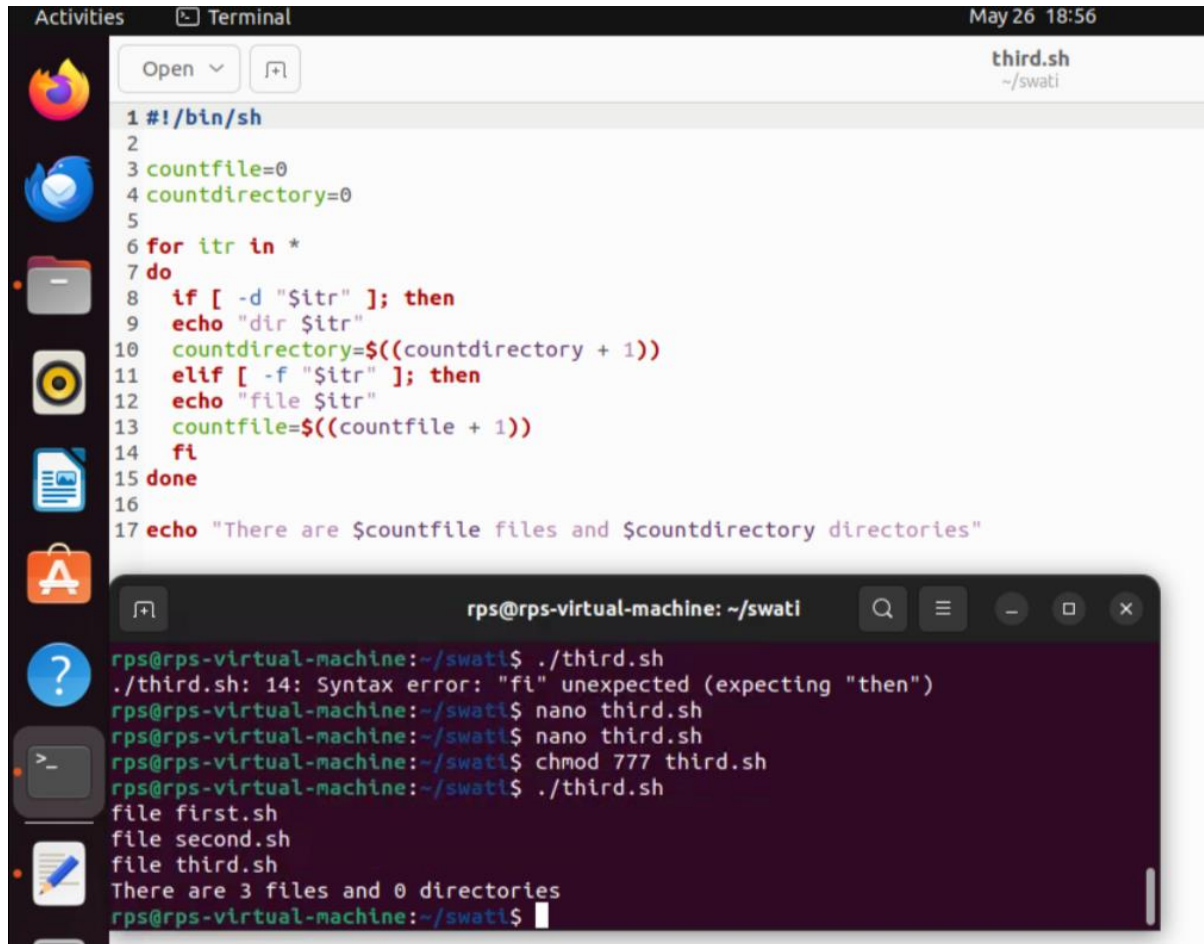


## Assignment – 3

✚ Count the number of directory and files in specific folder.

Solution :



The screenshot shows a Linux desktop environment with a terminal window open. The terminal displays the content of a shell script named `third.sh` and the output of its execution. The script is designed to count the number of files and directories in the current directory. It uses a `for` loop to iterate over all items in the directory. For each item, it checks if it is a directory (`-d`) or a file (`-f`). If it is a directory, it increments the `countdirectory` variable. If it is a file, it increments the `countfile` variable. Finally, it prints the total counts.

```
1 #!/bin/sh
2
3 countfile=0
4 countdirectory=0
5
6 for itr in *
7 do
8     if [ -d "$itr" ]; then
9         echo "dir $itr"
10        countdirectory=$((countdirectory + 1))
11    elif [ -f "$itr" ]; then
12        echo "file $itr"
13        countfile=$((countfile + 1))
14    fi
15 done
16
17 echo "There are $countfile files and $countdirectory directories"
```

The terminal output shows the execution of the script, which lists the files in the directory and reports the counts:

```
rps@rps-virtual-machine: ~/swati
rps@rps-virtual-machine:~/swati$ ./third.sh
./third.sh: 14: Syntax error: "fi" unexpected (expecting "then")
rps@rps-virtual-machine:~/swati$ nano third.sh
rps@rps-virtual-machine:~/swati$ nano third.sh
rps@rps-virtual-machine:~/swati$ chmod 777 third.sh
rps@rps-virtual-machine:~/swati$ ./third.sh
file first.sh
file second.sh
file third.sh
There are 3 files and 0 directories
rps@rps-virtual-machine:~/swati$
```