

ASSIGNMENT- 3

Count the number of directory and files in specific folder.

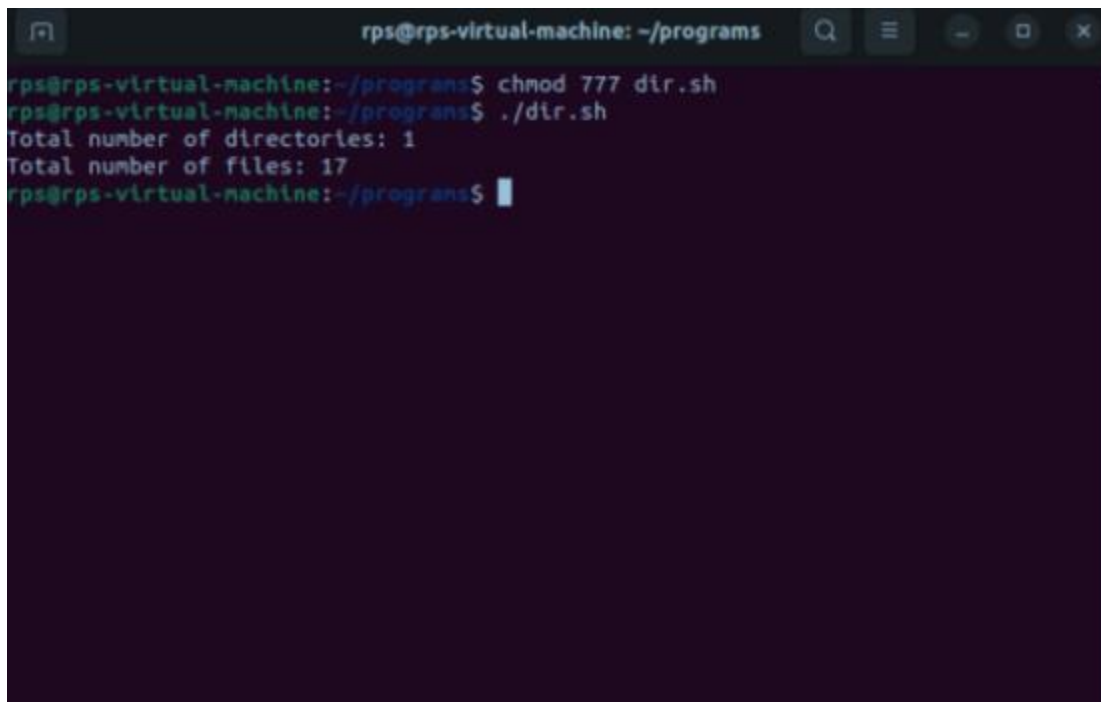
```
#!/bin/bash
dir_count=0
file_count=0
folder="/path/to/your/programs"
for item in "$folder"/*; do
if [ -d "$item" ]; then
dir_count=$((dir_count + 1))
elif [ -f "$item" ]; then
file_count=$((file_count + 1))
fi
done
echo "Total number of directories: $dir_count"
echo "Total number of files: $file_count"
```

Sample Output:

Enter the folder path: /home/rps/programs

Number of directories: 1

Number of files: 17

A terminal window titled 'rps@rps-virtual-machine: ~/programs' showing the execution of a script. The user runs 'chmod 777 dir.sh' and then './dir.sh'. The script outputs 'Total number of directories: 1' and 'Total number of files: 17'.

```
rps@rps-virtual-machine: ~/programs
rps@rps-virtual-machine:~/programs$ chmod 777 dir.sh
rps@rps-virtual-machine:~/programs$ ./dir.sh
Total number of directories: 1
Total number of files: 17
rps@rps-virtual-machine:~/programs$
```