

## *Assignment 3*

count the number of directory and files in specific folder.

```
#!/bin/bash

LOCATION="$1"
FILECOUNT=0
DIRCOUNT=0

if [ "$#" -lt 1 ]; then
    echo "Usage: ./count_files_and_dirs.sh <directory>"
    exit 0
fi

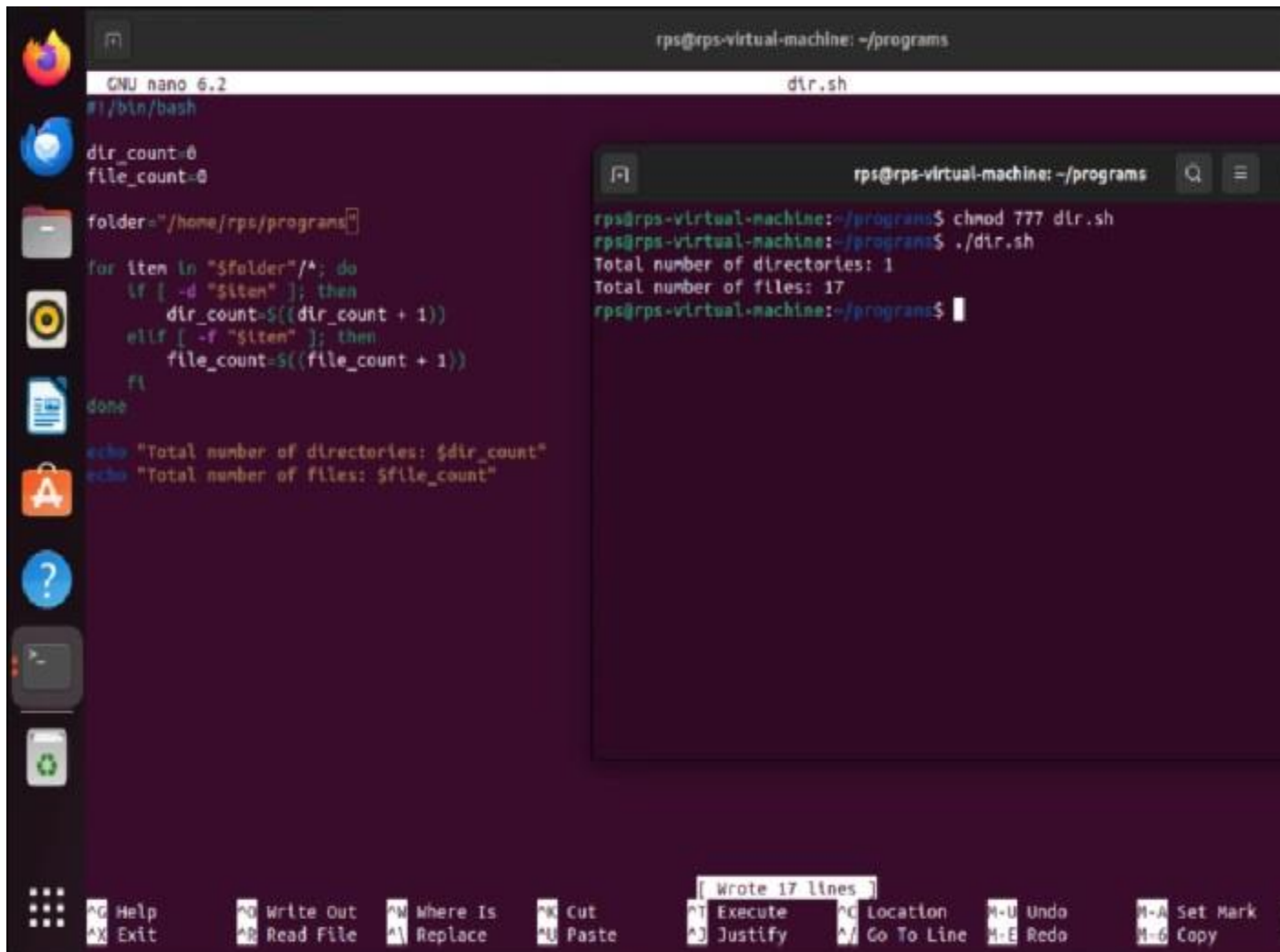
for item in "$LOCATION"/*; do
    if [ -f "$item" ]; then
        FILECOUNT=$((FILECOUNT + 1))
    elif [ -d "$item" ]; then
        DIRCOUNT=$((DIRCOUNT + 1))
    fi
done

echo "File count: $FILECOUNT"
echo "Directory count: $DIRCOUNT"
```

Output: enter a folder path: /home/rps/program

No. of directories :1

No. of File: 17



```
GNU nano 6.2 dir.sh
#!/bin/bash

dir_count=0
file_count=0

folder="/home/rps/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"
```

```
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$
```

Wrote 17 lines

Help	Write Out	Where Is	Cut	Execute	Location	Undo	Set Mark
Exit	Read File	Replace	Paste	Justify	Go To Line	Redo	Copy