ASSIGNMENT 3

Assignment 3: count the number of directory and files in specific folder.

Description: This script counts the number of directories and files in a specified folder.

Script:

```sh
#!/bin/sh
# Count the number of directories and files in a specified folder
read -p "Enter the folder path: " folder
if [ -d "$folder" ]; then
   num_dirs=$(find "$folder" -type d | wc -l)
   num_files=$(find "$folder" -type f | wc -l)
   echo "Number of directories: $num_dirs"
   echo "Number of files: $num_files"
else
   echo "Folder not found"
fi
```

Sample Output:

Enter the folder path: /home/rps/programs

Number of directories: 1

Number of files: 4

rps@rps-virtual-machine: ~/programs

```
  GNU nano 6.2                              count_dir.sh
#!/bin/sh

# Count the number of directories and files in a specified folder

read -p "Enter the folder path: " folder

if [ -d "$folder" ]; then
    num_dirs=$(find "$folder" -type d | wc -l)
    num_files=$(find "$folder" -type f | wc -l)
    echo "Number of directories: $num_dirs"
    echo "Number of files: $num_files"
else
    echo "Folder not found"
fi
```

```
                             [ Read 14 lines ]
^G Help        ^O Write Out    ^W Where Is    ^K Cut       ^T Execute    ^C Location    M-U Undo    M-A Set Mark    M-] To Bracket
^X Exit        ^R Read File    ^\ Replace     ^U Paste     ^J Justify    ^/ Go To Line  M-E Redo    M-6 Copy       ^Q Where Was
```

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rps@rps-virtual-machine: ~/programs

```
rps@rps-virtual-machine:~$ cd programs
rps@rps-virtual-machine:~/programs$ nano count_dir.sh
rps@rps-virtual-machine:~/programs$ chmod 777 ./count_dir.sh
rps@rps-virtual-machine:~/programs$ ./count_dir.sh
Enter the folder path: /home/rps/programs
Number of directories: 1
Number of files: 4
rps@rps-virtual-machine:~/programs$ dir
check_file.sh  check_numbers.sh  count_dir.sh  variable.sh
rps@rps-virtual-machine:~/programs$
```