**Day 7: Assignment 1**

**Problem**: .count the number of files and folder present in the directory. if possible take the directory path from user.

**Solution**:

#!/bin/bash

# Function to count files and folders

count\_files\_and\_folders() {

local directory=$1

local file\_count=0

local folder\_count=0

# Loop through all items in the directory

for item in "$directory"/\*; do

if [ -f "$item" ]; then

file\_count=$((file\_count + 1))

elif [ -d "$item" ]; then

folder\_count=$((folder\_count + 1))

fi

done

echo "Number of files: $file\_count"

echo "Number of folders: $folder\_count"

}

# Prompt the user for the directory path

read -p "Enter the directory path: " directory\_path

# Check if the provided path is a valid directory

if [ -d "$directory\_path" ]; then

count\_files\_and\_folders "$directory\_path"

else

echo "The provided path is not a valid directory."

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**How to run:**

* Type Chmod 777 count\_files\_folders.sh to give permissions
* Type ./count\_files\_folders to run it