Deren Bozer

COSC-381 MW 11:00

Winter 2023

Moving Files in Batch

Screenshot of the terminal output:

```sh
MovingFiles > move_files.sh
1    # Creates the directories
2    # -p creates any parent directory if needed
3    mkdir -p demo/cosc381
4    mkdir -p demo/cosc481
5
6    # Loop to go through every file in Demo
7    for FILE in demo/*;
8    do
9        if [[ $FILE =~ "381" && $FILE =~ ".txt" ]]; then
10           mv $FILE demo/cosc381
11       fi
12       if [[ $FILE =~ "481" && $FILE =~ ".txt" ]]; then
13           mv $FILE demo/cosc481
14       fi
15   done
16
17   # Prints the list of 381 files to console
18   echo "***** 381 Files: *****"
19   for FILE381 in demo/cosc381/*;
20   do
21       echo $FILE381
22   done
23
24   # Prints the list of 481 files to console
25   echo "***** 481 Files: *****"
26   for FILE481 in demo/cosc481/*;
27   do
28       echo $FILE481
29   done
30
31
32
33
```

```
[ec2-user@ip-172-31-50-129 MovingFiles]$
[ec2-user@ip-172-31-50-129 MovingFiles]$
[ec2-user@ip-172-31-50-129 MovingFiles]$
[ec2-user@ip-172-31-50-129 MovingFiles]$
[ec2-user@ip-172-31-50-129 MovingFiles]$ bash move_files.sh
***** 381 Files: *****
demo/cosc381/cosc_381_0.txt
demo/cosc381/cosc_381_10.txt
demo/cosc381/cosc_381_11.txt
demo/cosc381/cosc_381_12.txt
demo/cosc381/cosc_381_13.txt
demo/cosc381/cosc_381_14.txt
demo/cosc381/cosc_381_15.txt
demo/cosc381/cosc_381_16.txt
demo/cosc381/cosc_381_17.txt
demo/cosc381/cosc_381_18.txt
demo/cosc381/cosc_381_19.txt
demo/cosc381/cosc_381_1.txt
demo/cosc381/cosc_381_20.txt
demo/cosc381/cosc_381_21.txt
demo/cosc381/cosc_381_22.txt
demo/cosc381/cosc_381_23.txt
demo/cosc381/cosc_381_24.txt
demo/cosc381/cosc_381_25.txt
demo/cosc381/cosc_381_2.txt
demo/cosc381/cosc_381_3.txt
demo/cosc381/cosc_381_4.txt
demo/cosc381/cosc_381_5.txt
demo/cosc381/cosc_381_6.txt
demo/cosc381/cosc_381_7.txt
demo/cosc381/cosc_381_8.txt
demo/cosc381/cosc_381_9.txt
***** 481 Files: *****
demo/cosc481/cosc_481_0.txt
demo/cosc481/cosc_481_10.txt
demo/cosc481/cosc_481_11.txt
demo/cosc481/cosc_481_12.txt
demo/cosc481/cosc_481_13.txt
demo/cosc481/cosc_481_14.txt
demo/cosc481/cosc_481_15.txt
demo/cosc481/cosc_481_16.txt
demo/cosc481/cosc_481_17.txt
demo/cosc481/cosc_481_18.txt
demo/cosc481/cosc_481_19.txt
demo/cosc481/cosc_481_1.txt
demo/cosc481/cosc_481_20.txt
demo/cosc481/cosc_481_21.txt
demo/cosc481/cosc_481_22.txt
demo/cosc481/cosc_481_23.txt
demo/cosc481/cosc_481_24.txt
demo/cosc481/cosc_481_25.txt
demo/cosc481/cosc_481_26.txt
demo/cosc481/cosc_481_27.txt
demo/cosc481/cosc_481_28.txt
demo/cosc481/cosc_481_29.txt
demo/cosc481/cosc_481_2.txt
demo/cosc481/cosc_481_3.txt
demo/cosc481/cosc_481_4.txt
demo/cosc481/cosc_481_5.txt
demo/cosc481/cosc_481_6.txt
demo/cosc481/cosc_481_7.txt
demo/cosc481/cosc_481_8.txt
demo/cosc481/cosc_481_9.txt
[ec2-user@ip-172-31-50-129 MovingFiles]$ []
```

Script for bash file:

```bash
# Creates the directories
# -p creates any parent directory if needed
mkdir -p demo/cosc381
mkdir -p demo/cosc481

# Loop to go through every file in Demo
for FILE in demo/*;
do
    if [[ $FILE =~ "381" && $FILE =~ ".txt" ]]; then
        mv $FILE demo/cosc381
    fi
    if [[ $FILE =~ "481" && $FILE =~ ".txt" ]]; then
        mv $FILE demo/cosc481
    fi
done

# Prints the list of 381 files to console
echo "***** 381 Files: *****"
for FILE381 in demo/cosc381/*;
do
    echo $FILE381
done

# Prints the list of 481 files to console
echo "***** 481 Files: *****"
for FILE481 in demo/cosc481/*;
do
    echo $FILE481
done
```