Quest05

Subject   1 Solution   Additional Resources (1)

Quest05

Remember to git add && git commit && git push each exercise!

We will execute your function with our test(s), please DO NOT PROVIDE ANY TEST(S) in your file

For each exercise, you will have to create a folder and in this folder, you will have additional files that contain your work. Folder names are provided at the beginning of each exercise under `submit directory` and specific file names for each exercise are also provided at the beginning of each exercise under `submit file(s)`.

Introduction

Back to do some shell.

Objective is to be more expert with find and discover -type file option, `globing` (* replace any characters...) and --exec to be able to run another command. (for example basename :D) Finally, pipe (|) let's you chain command.

Control Center

- Group formation
- In Progress
- Submitted
- Test review

Finished: approved

[ ] Go To DoCode

Access:
READ   WRITE

Go To Gitea

Keep Working On This Soluti

Also working on the project

Quest05	My Count Files
Submit directory	ex00
Submit file	my_count_files

Description

Exercise: my_count_files

Write a command line that counts and displays the number of regular files and directories in the current directory and all its sub-directories. It should include ".", the starting directory.

Example 00
Example of output:

```
$>./my_count_files | cat –e
13$
$>
```

Tips
You should dig into the command ls (man ls)
You should dig into the command wc (man wc)

Quest05	My Clean
Submit directory	ex01
Submit file	my_clean

Description

In a file called `my_clean` place the command line that will search for all files - in the current directory as well as in its sub-directories - with a name ending by `~`, or a name that start and end by `#`
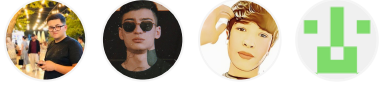
The command line will `print` and `delete` all files found.
Only one command is allowed: no `;` or `&&` or other gitaneries.

Example 00

```
$>my_clean
./.zshrc~
...
./blah/#tat#
$>
```

Tip
You should dig into the command find (man find)
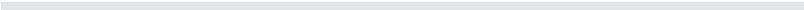
Quest05	My Find Sh
Submit directory	ex02
Submit file	my_find_sh

Description

Write a command line that searches for all file names that end with ".sh" (without quotation marks) in the current directory and all its sub-directories. It should display only the name of files without the extension `.sh`.

Example 00

```
$>./my_find_sh | cat -e
file1$
file2$
file3$
$>
```

Tips
You should dig into the command find (man find) specially the -exec option
You should dig into the command basename

Type
Project

Group Size
1 Participant

Review system
Test Review (Gandalf)

Difficulty
Initiation

Average duration
1 Week

Project's Metadata

Project

id: 36

name: quest05

visible: True

You should dig into the command rev (man rev)
You should dig into the command cut (man cut)
You should dig into the command sed (man sed)

Quest05	My Patch
Submit directory	ex03
Submit file	my_patch

Description

Patch transform a file origin to a fixed file applying the `transformation` or you can called it `patch` .

Create a file `my_patch` , so that:

```
$>diff a my_patch > sw.diff
```

Use the `patch` command to apply the patch on file `a` from the diff `sw.diff` . :-)

```
$>cat a
STARWARS
Episode IV, A NEW HOPE It is a period of
civil war.

Rebel spaceships, striking from a hidden
base, have won their first victory
against the evil Galactic Empire.
During the battle, Rebel spies managed to
steal secret plans to the Empire's
ultimate weapon, the DEATH STAR,
an armored space station with enough
power to destroy an entire planet.

Pursued by the Empire's sinister agents,
Princess Leia races home aboard her
starship, custodian of the stolen plans
that can save her people and restore
freedom to the galaxy...
$>
```

```
$>cat sw.diff
1,2c1,8
< STARWARS
< Episode IV, A NEW HOPE It is a period
of civil war.
---
> Episode V, A NEW H0PE It is a period of
civil war
> Rebel spaceships, striking from a
hidden base, have won their first victory
against the evil Galactic Empire.
> During the battle, Rebel spies managed
to steal secret plans to the Empire's
ultimate weapon, the STAR DEATH, an
armored space station with enough power
to destroy an entire planet.
>
>
> Pursued by the Empire's sinister
agents,
> Princess Mehdi races home aboard her
starship, custodian of the stolen plans
that can save her people and restore the
dictatorship to the galaxie..
>
4,6d9
< Rebel spaceships, striking from a
hidden base, have won their first victory
against the evil Galactic Empire.
< During the battle, Rebel spies managed
to steal secret plans to the Empire's
ultimate weapon, the DEATH STAR,
< an armored space station with enough
power to destroy an entire planet.
8d10
< Pursued by the Empire's sinister
agents, Princess Leia races home aboard
her starship, custodian of the stolen
plans that can save her people and
restore freedom to the galaxy...
$>
```

Tips
You will need to use the command `patch` (man patch)
When you copy both files, make sure to return to the line.

(press enter :D)

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