**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.

**My Count Files**

* Submit directory: ex00
* Submit file: ["my\_count\_files"]

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)

**My Clean**

* Submit directory: ex01
* Submit file: ["my\_clean"]

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)

**My Find Sh**

* Submit directory: ex02
* Submit file: ["my\_find\_sh"]

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 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)

**My Patch**

* Submit directory: ex03
* Submit file: ["my\_patch"]

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.

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> Episode V, A NEW H0PE It is a period of civil war

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>

>

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>

4,6d9

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< 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)