



EXERCISES — Exchange

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**The way is lit. The path is clear.
We require only the strength to follow it.**

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File Tree

```
extchange/  
└─ extchange.sh  (to submit)
```

Authorized commands : You are only allowed to use the following commands

- builtins
- cut(1)
- mv(1)

Reminder : Grant execution permission to your scripts before pushing them

1 Goal

You have to write a shell script that takes two arguments. The goal is to change the extensions of all files in the current directory having the extension specified in '\$1' to the extension specified in '\$2'.

You should also print on the standard output the `mv` operation that is being done.

- If a wrong number of arguments is specified, your program should `exit 1`, and print `Usage: extchange.sh 'ext1' 'ext2'` on the error output.
- If there is not any file matching the first extension, your program should `exit 2`.
- You can assume that you will always be able to `mv` the matched files.

Directories are to be renamed as well. You don't have to handle hidden files and files that contain multiple `.` in their name.

2 Examples

```
42sh$ ls  
42sh$ ./extchange.sh  
Usage: extchange.sh 'ext1' 'ext2'  
42sh$ echo "$?"  
1  
42sh$ ./extchange.sh a b  
42sh$ echo "$?"  
2  
42sh$ touch hello.a world.a  
42sh$ ./extchange.sh a b  
mv hello.a hello.b  
mv world.a world.b  
42sh$ echo "$?"  
0  
42sh$
```

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