



EXERCISES — Files generator

version #cb69afd89690e908c9ef3ff2545b93df54f86b1f



Copyright

This document is for internal use at EPITA ([website](#)) only.

Copyright © 2023-2024 Assistants <assistants@tickets.assistants.epita.fr>

The use of this document must abide by the following rules:

- ▷ You downloaded it from the assistants' intranet.*
- ▷ This document is strictly personal and must **not** be passed onto someone else.
- ▷ Non-compliance with these rules can lead to severe sanctions.

Contents

1	Goal	3
2	Examples	4

*<https://intra.forge.epita.fr>

File Tree

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

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

- builtins
- seq(1)
- touch(1)

Reminder : Grant execution permission to your scripts before pushing them

1 Goal

The objective of this exercise is to write a script that will generate empty files.

You will have to handle several options that will change the name of the generated files.

Every generated file must follow this pattern:

FILENAME-NUMBER.EXTENSION

And the default values of the elements of this pattern are:

- FILENAME = default
- NUMBER = 1
- EXTENSION = txt

Thus, by default, meaning when the script is called without any option, it will generate a single file:
default-1.txt

The options are the following:

- -f FILENAME, --filename FILENAME: this will change the filename of the generated files.
- -n NUMBER, --number NUMBER: this will change the number of files to be generated. When generating multiple files, the numbers start by 1.
- -e EXTENSION, --extension EXTENSION: this will change the extension of the generated files.

If the same option (short or long version) is specified, then you must only take into account the last occurrence. Your script must exit 1 if an unknown option is given.

2 Examples

```
42sh$ ./generate_files.sh
42sh$ ls
default-1.txt  generate_files.sh
42sh$ ./generate_files.sh -f file
42sh$ ls
default-1.txt  file-1.txt  generate_files.sh
42sh$ ./generate_files.sh --filename picture -n 3
42sh$ ls
default-1.txt  generate_files.sh  picture-2.txt
file-1.txt     picture-1.txt      picture-3.txt
42sh$ ./generate_files.sh --filename image --number 2 -e png
42sh$ ls
default-1.txt  generate_files.sh  image-2.png  picture-2.txt
file-1.txt     image-1.png       picture-1.txt  picture-3.txt
42sh$
```

I must not fear. Fear is the mind-killer.