



EXERCISE — clang-format tutorial

version #c73290f713f43c148f3dc4d64f127940a2250600



Copyright

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

Copyright © 2024-2025 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	Clang-format	3
2	Setup	3
3	Usage	4
4	Goal	4

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

File Tree

```
clang-format/  
├── .clang-format  
└── zaza.c  (to submit)
```

1 Clang-format

Clang-format is a tool used to detect coding-style syntactic issues in **C** and **C++**. It has a default configuration but we provide you with our own *.clang-format* that follows EPITA's coding style. The *.clang-format* file describes a set of rules, as follows:

```
ColumnLimit: 80
```

means that you **cannot** have a line with more than 80 columns. This rule comply with the EPITA coding-style.

Tips

For more information about [clang-format](#), you can check these link.

2 Setup

You need to retrieve the `clang-format` file from *Documents* on the intranet or directly via the given files of these exercise. Do not forget to rename it to *.clang-format* once downloaded!

You now have two options:

- Place this file in your *\$HOME* or *~/afs* (if you are at school).
- Add this file to the root of every one of your projects.

Clang-format will always choose the closest configuration file to the directory from which it is called: this means it searches the directory it was called from, then from its parent, and so on.

Be careful!

If no *.clang-format* file is found, Clang-format will apply its default configuration which does not respect the coding-style enforced at EPITA.

3 Usage

In order to use it correctly, you should check the help page of `clang-format`.

```
42sh$ clang-format --help
```

4 Goal

You **ONLY** need to apply the `clang-format` configuration on the `zaza.c` file, and submit its corrected version.

Seek strength. The rest will follow.