



Exer- — Triad cise

version #1.0.0



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

File Tree

```
triad/
├── flake.nix
├── pom.xml
├── src/
│   └── main/
│       └── java/
│           └── fr/
│               └── epita/
│                   └── assistants/
│                       ├── Main.java
│                       └── triad/
│                           ├── FixMyMistake.java (to submit)
│                           ├── UglyClass.java (to submit)
│                           └── WriteGettersAndConstructorForMe.java (to submit)
```

Authorized imports

■ java.*

1 Objectives

This exercise will introduce you to the most essential shortcuts of *IntelliJ IDEA*, and guide you through getting started with your new integrated development environment (IDE).

2 Introduction

The goal of this exercise is to **not** make you write *Java* code by yourself. Instead, you will make your IDE do it for you by following the tips given in the *tutorial*.

Tips

While this exercise is not mandatory, we highly recommend that you complete it as it will help to improve your productivity and proficiency in the coding environment.

3 Specifications

Be careful!

Do not worry if you do not understand the code. You just have to go through the different files and use a few features to complete them. If you have any questions, do not hesitate to ask an assistant to help you.

Tips

To open a *maven* project with *IDEA*, click on *Open* in the right top corner and select the `pom.xml` file in the directory where you extracted the exercise. Finally, click on *Open as project* to open the exercise.

3.1 Fix My Mistake

Open the file `FixMyMistake.java` in *IDEA*. You will notice a compilation error. To fix it, use the `Alt + Enter` shortcut on the error underlined in red. You may also notice a red light bulb icon on the left side of the screen. You can use this to fix the error as well.

3.2 Write Getters And Constructor For Me

Open the file `WriteGettersAndConstructorForMe.java` which contains a class with multiple attributes. Your task is to define constructors and getters for these attributes. To accomplish this, you should use the `Alt + Insert` shortcut in *IntelliJ IDEA* to open the code generator and select the appropriate option. When the prompt asks you to select fields, simply select all of them.

3.3 Ugly Class

Open the file `UglyClass.java` and you will see that the class is not properly indented. To fix this, use the shortcut `Ctrl + Alt + L` to reformat the code.

Tips

By default, *IntelliJ IDEA* does not enforce a right margin. To set one, go to "Settings" -> "Editor" -> "Code Style" -> "Java". Then, select the "Wrapping and Braces" tab and enable the "Ensure right margin is not exceeded" option. Once you have set the right margin, use the `Ctrl + Alt + L` shortcut again to reformat

your code completely.

3.4 Compiling

You should be able to compile and run the `Main.java` file which contains the `main` function. Click on the play button to compile and run the program.

You should get the following output on the standard output:

```
name
firstName
lastName
random
anotherOne
anotherOne2
anotherOne3
xyz
1
2.0
3.0
43
```

Being a hero means fighting back even when it seems impossible.