



# EXERCISE — Triad

version #1.0.0

---



# Copyright

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

Copyright © 2024-2025 Assistants [<assistants@tickets.assistants.epita.fr>](mailto: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	Objectives	3
2	Introduction	3
3	Specifications	4
3.1	FixMyMistake . . . . .	4
3.2	WriteGettersAndConstructorForMe . . . . .	4
3.3	UglyClass . . . . .	4
3.4	Compiling . . . . .	5

---

\*<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 FixMyMistake

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 WriteGettersAndConstructorForMe

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 UglyClass

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.*