Exercises — Triad

version **#1.0.0**

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Contents

File Tree

```
triad/
├── 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

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
```

You mean it's working? For real this time?