The objectives of this first lab work are:
- Discover the development environment: Eclipse
- Realize a first JAVA program
- Use the JAVA syntax and respect the Software Quality Plan (JAVA Charter)

Partie 1 : Hello World

Build a HelloWorld program.
This project will contain 2 classes:
- A main class
- A robot class containing
  - A method sayHello()
  - A method sayHelloTo(String nameHello)

Test your program by writing the necessary instructions in the main method of the main class.

Partie 2 : Average

- Create a new JAVA project containing a main class and a RobotCalculator class implementing two « average » algorithms.
  - First one: a method that returns the average of two notes passed as parameters.
  - Second one successively displaying the average of n pupils:
    - The number of students will be asked to the user
    - The two notes of each of the n students will be requested to the user.
- Implement and test your first method.
- Using the keyboard class, add a method that implements the second algorithm.
- Test the second method.
- Modify the previous method to display the overall average of the class.

> **Keyboard class**
> *You have at your disposal a class to read a user information.*

To go a step further

Write a class containing method that returns true if two points passed in parameter are at a distance lower than a value also passed in parameter. A point is composed of two real values x and y.