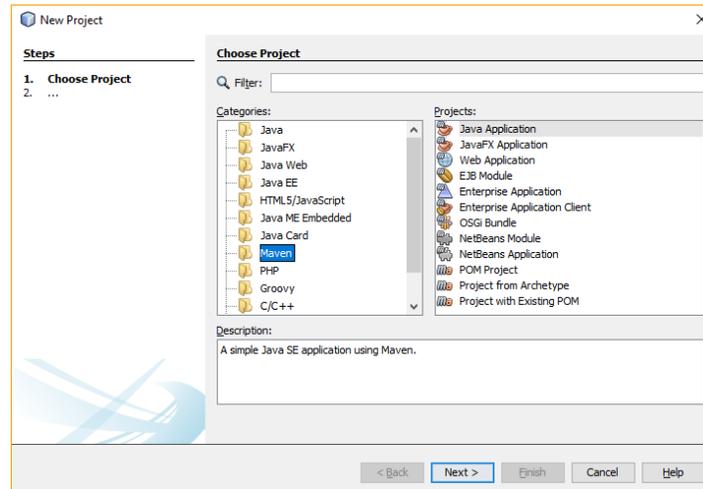


Practical work Maven 2

The objective of this lab is to introduce you to the creation of a Maven project.

Part 1: Creation of the Maven project

1. Start by creating your Maven project

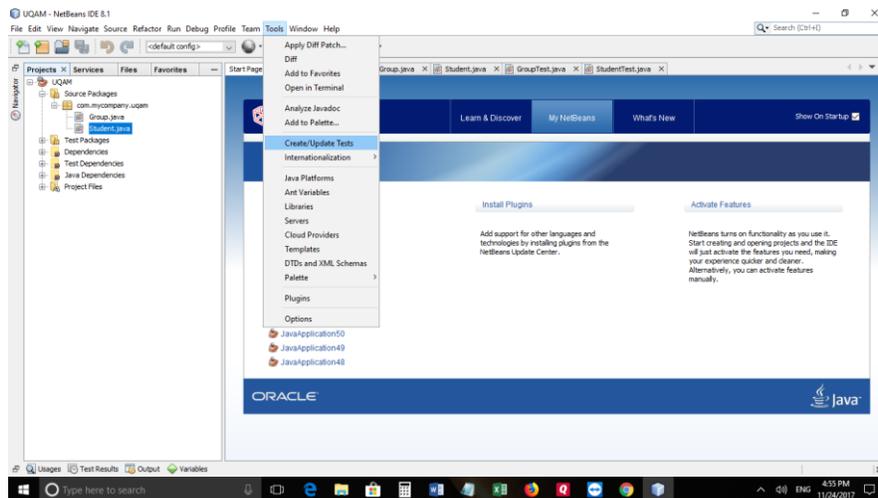


Part 2: Implementing the Student class

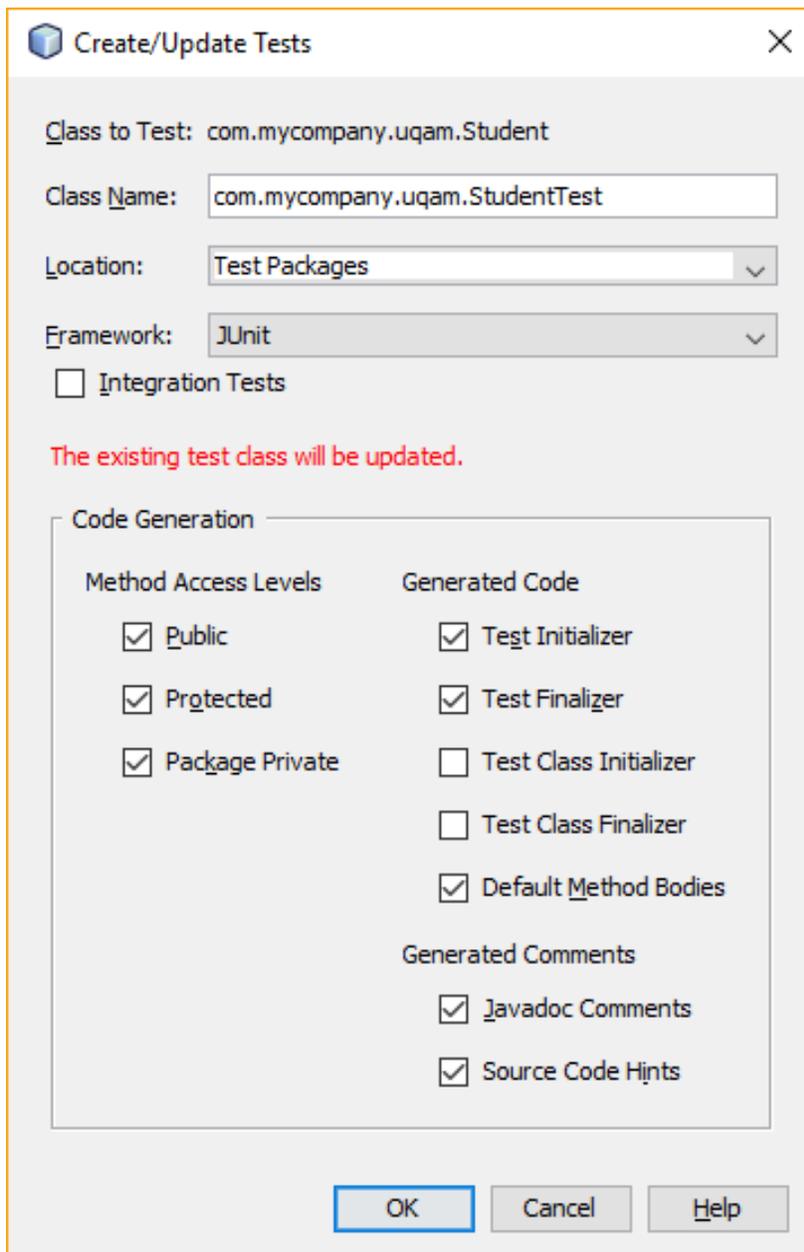
1. Start by creating the `Student` class
 - class details will be provided at the Lab
2. Implement the body of methods
3. Create the `StudentTest` class

Hints :

- a. Select the `Student` class in your project
- b. Select the `Create Update Test` option from the `Tools` menu



c. Confirm your option for your test class StudentTest



4. Write a sufficient set of tests to be able to play tests

The Student class will have to provide the following features :

- Add a new result to the student by passing the title of the course and the result
- Calculate the permanent code
- Calculate age
- recover the average score

Part 3 : Implementation of the Group class

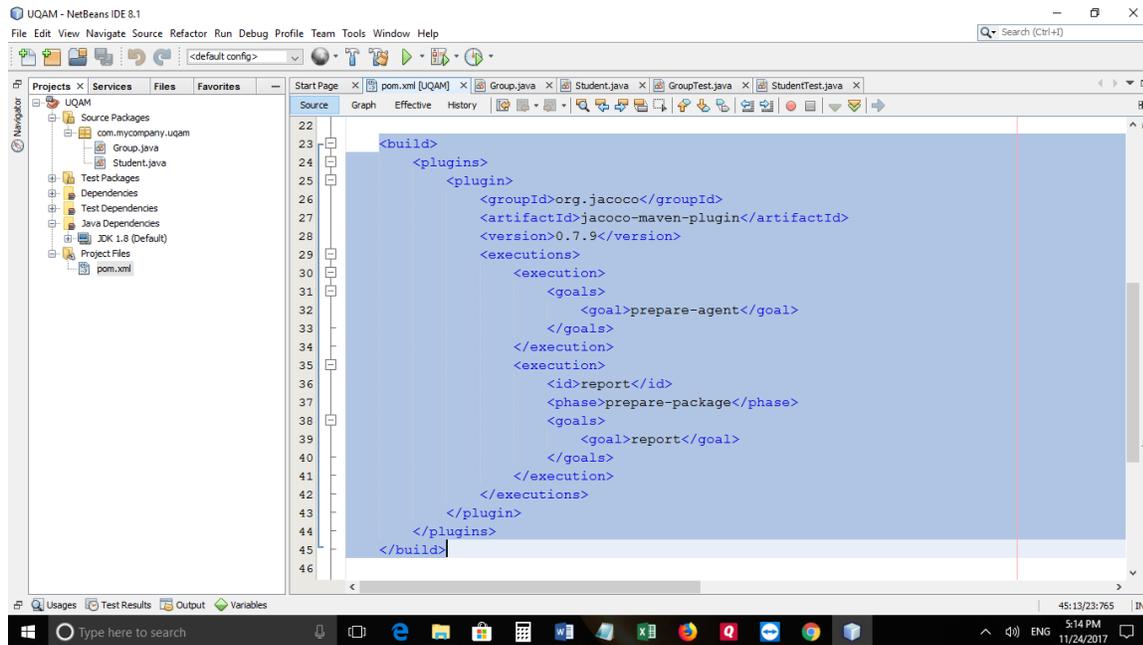
1. Start by creating the `Group` class
 - class details will be provided at the Lab
2. Implement the body of methods
3. Create the `GroupTest` class
4. Write a sufficient test set to be able to play the tests

The `Group` class must provide the following features:

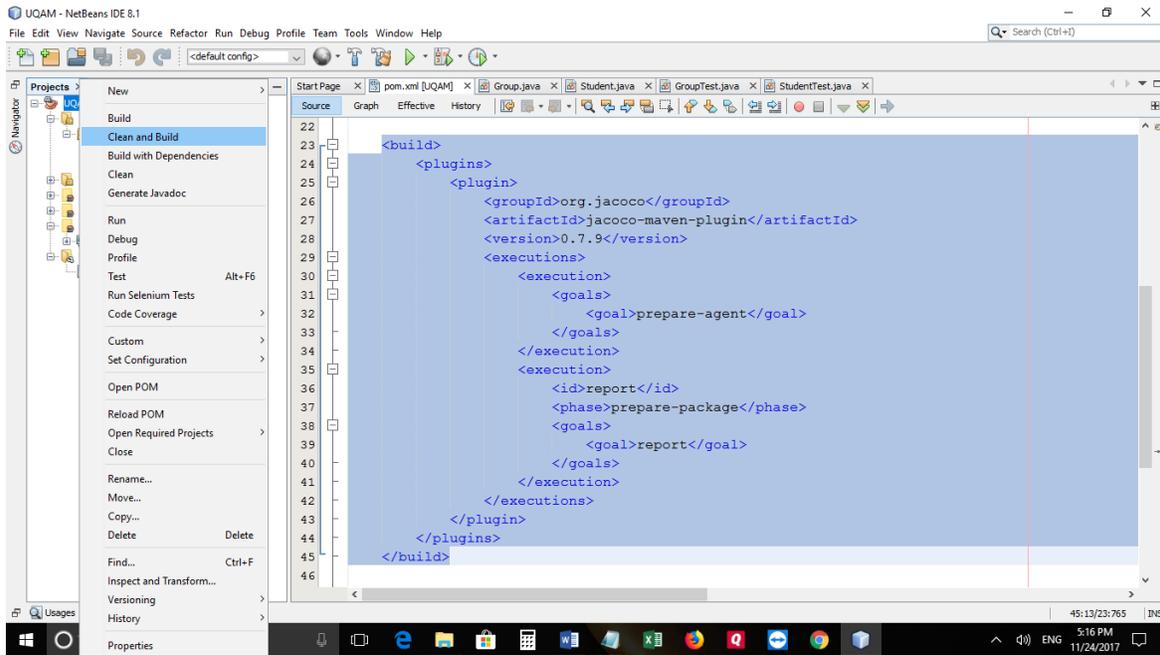
- Add a new student to the group by passing a `Student` object
- Create and add a new student to the group by passing his name, first name and date of birth
- Retrieve the instance of a student in a group thanks to its permanent code
- Calculate the average of the students in the group

Part 4 : Configuring the Maven Project

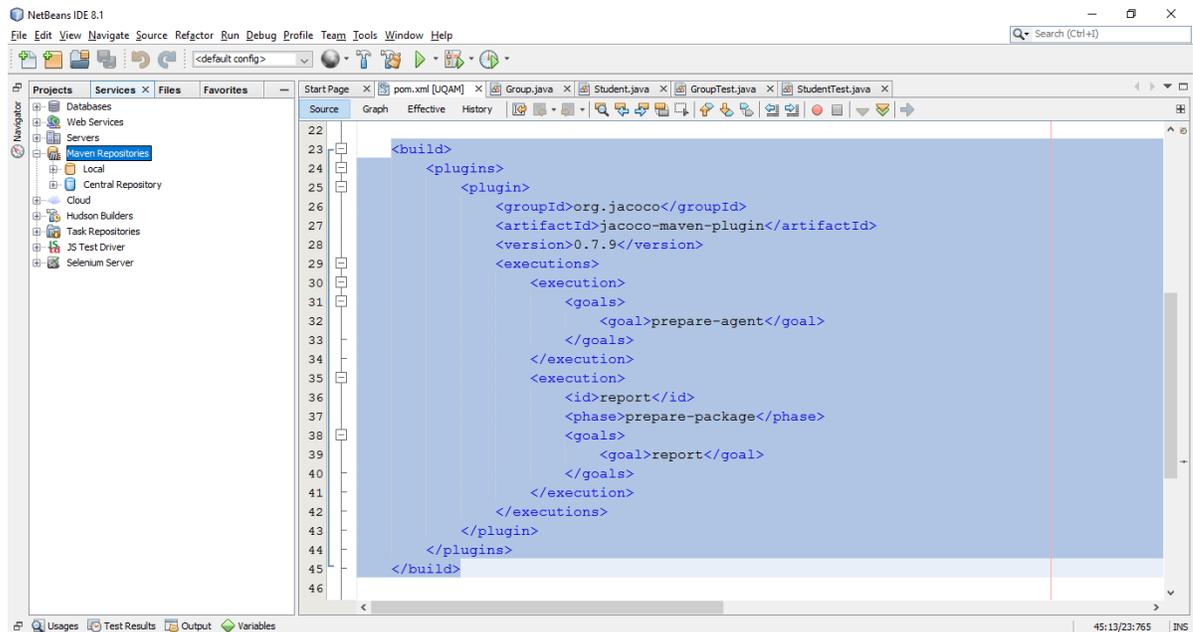
1. Start by adding your plugin to your `pom.xml` file Jacoco



2. Make a Build of your project to recover Plugin and dependencies



3. You can view Maven Repositories in the Tab Services



4. You can test your cover

