Lab: Unit Testing with Mockito framework

We will learn how to write unit tests using Mockito framework. Mockito is an open source framework that allows you to easily create test doubles (mocks). Test Double is a generic term for any case where you replace a production object for testing purposes. The framework is used in automated unit tests for test-driven development (TDD) or behavior-driven development (BDD).
For more details see the following tutorials:

➢ tutorial 1
➢ tutorial 2

Tasks to do

1. Import to Eclipse an example Maven project *junit5-mockito-example* and understand the solution.

2. Import a Maven project *Lab8_Mockito* to Eclipse.

3. Create a new test class for testing the class *Location.java*

4. Using Mockito framework create test cases for testing the following methods:

   (a) `Locate()`

   (b) `printCalculationStatus()`

   ## <u>Notes:</u>

   - Use "*when(…).thenReturn(…)*" chain for mock definition

   - And also use *verify()* method of Mockito framework