**Homework**

**Test structure requirements:**

* Maven project
* **pom.xml** has the structure described in lectures:
  + main artifacts
  + properties
  + dependencies
  + plugins
  + profiles
* Library calculator-1.0.jar should be added to the project as maven dependence
* As test runner used TestNg
* For test maven build used **maven-surefire-plugin**
* Code must conform to the [Java Code Convention](https://www.oracle.com/technetwork/java/codeconventions-150003.pdf)

**File placement requirements:**

1. Classes should be placed into src/test/java/com/epam/tc/hw1 package and sub-packages
2. Homework should be developed in a new Java class
3. Test methods should have a name in accordance with checking functionality
4. When you are ready and have pushed your homework task, please create a pull request, ping me in MS Teams personally and provide a link to your project repo

**Tests requirements:**

1. Checkstyle plugin should not produce errors
2. You should test several Calculator operations (at least 4)
3. Test for each operation should be placed in separate classes
4. Create a test suite, which could run all tests
5. Split test into the two groups and create a suite for each group:
   1. Tests for add and subtract operations
   2. Tests for multiply and divide operations
6. All test data should be provided to test through the DataProviders
7. Create 3 maven profiles which allow choosing test suite (by default should work profile which runs add and subtract operations tests)
8. All test must launch through the **maven commands**
9. Use AssertJ instead of basic TestNg asserts