Test no 2 - Java from scratch

Total points **9/10** ?

Dear students,

We invite you to check your current skills during the course. This is a great opportunity to check if there are any areas that are worth repeating.

Please remember, that you must achieve a score of 80% to get a certificate.

Good luck!

PS. Some questions have more than correct answer.

0 of 0 points

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Questions	9 of 10 points

✓ **Good unit test should be:** * 1/1

○ Independent - tests can be executed in any order and don't affect each other

◉ All answers are correct ✓

○ Fast - it should not take much time, even if logic is complicated

○ Self-validating - it should be clear if test is passed or failed and it should not require developer to look at test results

✓ **What are basic assumptions for Test Driven Development?** * 1/1

◉ Tests should be written first, then methods, that should make the tests pass ✓

○ Write tests for all methods

○ Testers should lead development process

○ Development should be always followed by tests

✓ **Which of the following section order is correct:** * 1/1

○ then / when / given

○ when / then / given

○ then / given / when

◉ given / when / then ✓

✓ **How to execute some tasks before and after every test method within a Test Class in JUnit5? Pick best method.** * 1/1

○ Write required methods and execute them within every test case block

○ Use @BeforeClass and @AfterClass annotations

◉ Use @BeforeEach and @AfterEach annotations ✓

○ There is no such an option in Java

✓ What does a "given" word stand for in test sections? *   1/1

○ Start testing if action was performed correctly

◉ Preset objects for the test   ✓

○ An action to be tested is performed

○ Apply required parameters

✓ What gives us automated testing? *   1/1

◉ All answers are correct   ✓

○ Is more reliable than manual testing

○ Reduces required human resources

○ Decreases time required to test code

✓ In this question, assume that assertThat is imported in a following way: *   1/1

```
import static org.assertj.core.api.Assertions.assertThat;
```

What will be the results of including the following line in a unit test

```
assertThat("\t".length() > 0).isTrue();
```

○ Compilation error - this line will not compile

○ Assertion is always false, test will fail

○ Assertion can be true or false. It depends how the operating system converts "\t". Results can differ if this test is launched on Windows or on Linux.

◉ Assertion is always true, test will pass (if there are no other assertions or exceptions)   ✓

✓ Which of the following describes the when section: *   1/1

○ testing if action performed correctly

○ preset objects for the test

○ result test

◉ an action to be tested is performed   ✓

✗ A unit test should test: *   0/1

○ All methods from a class.

◉ As many use cases of a method.   ✗

○ none of the answers is correct

○ Only one use case of a method.

Correct answer

◉ Only one use case of a method.

✓ Which of the following (static) method names JUnit5 offers that can be used to assert expectations with actual test results?   *1/1

◉ All of the answers are correct   ✓

○ assertEquals

○ assertNull

○ assertFalse

Thank you!