Test no 2 - Java from scratch - 2nd attempt

Total points **10/10** ?

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.

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Questions **10 of 10 points**

✓ What gives us automated testing? * 1/1

○ Decreases time required to test code

○ Is more reliable than manual testing

○ Reduces required human resources

● All answers are correct ✓

✓ A unit test should test: * 1/1

○ None of the answers.

○ All methods from a class.

● Only one use case of a method. ✓

○ As many use cases of a method.

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

○ Development should be always followed by tests

○ Write tests for all methods

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

○ Testers should lead development process

✓ What will be a result of including following line that uses assertThat static method from AssertJ library in unit test:
assertThat("SDA".equalsIgnoreCase("sda")).isTrue(); *1/1

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

○ Assertion will fail.

○ Syntax is not correct.

○ It can be true or false depending on the operating system.

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

○ There is no such an option in Java

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

● Use @BeforeEach and @AfterEach annotations ✓

○ Use @BeforeClass and @AfterClass annotations

✓ Usually tests are split into 3 sections: "given", "when" and "then". What should test do in "then" section? *1/1

○ Execute test clean-up

○ Prepare necessary objects for testing

○ Execute test method

● Self-validate - check expectations against result objects ✓

✓ What is JUnit? * 1/1

○ A way of writing the code.

○ A programming language used with Java.

● A framework used for testing. ✓

○ A guideline with best practices.

✓ How to assert that 2 arrays are equals? * 1/1

● assertArrayEquals(array1, array2); ✓

○ assertTrue(a==b);

○ assertTrue(a===b);

○ assertTrue(a!=b);

✓ Which of the following assertions is true? * 1/1

○ assertEquals("sda", "_sda");

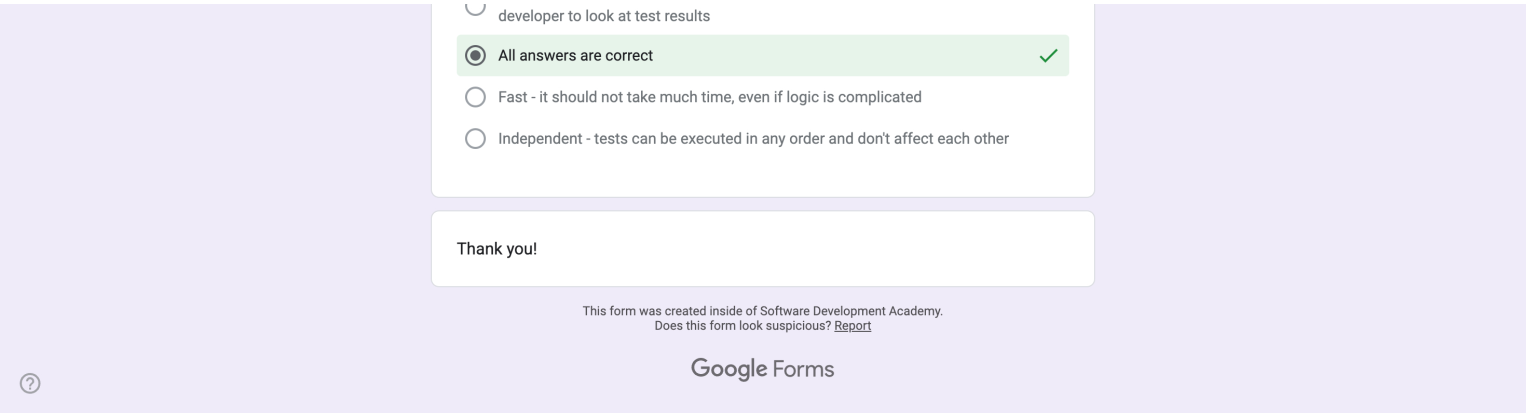
○ assertFalse(true);

● assertTrue("sda".equals("s"+"d"+"a")); ✓

○ assertNull(new String());

✓ Good unit test should be: * 1/1

○ Self-validating - it should be clear if test is passed or failed and it should not require



○ developer to look at test results

● All answers are correct ✓

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

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

Thank you!