Section 1: JUnit 5: The next generation testing framework for the JVM

Now that you are done with the videos of section 1, let's assess your learning. Here, are a few questions, followed by options, out of which 1 is the correct option. Select the right option and validate your learning!

The answers are provided in a separate sheet

Q1. Which annotation is executed in JUnit 5 before each test?

    a. @Before
    b. @BeforeAll
    c. @BeforeEach
    d. @BeforeEachTest

Q2. Which are the names of the main components in the JUnit 5 architecture?

    a. Jupiter, Vintage, and Platform
    b. Jupiter, Vintage
    c. Jupiter, Vintage, Platform, and Third-party
    d. Jupiter, Vintage, Platform, Third-party, and Legacy

Q3. Which dependency should be imported in our project to run legacy tests (JUnit 3 and 5) in the JUnit 5 Platform?

    a. org.junit.jupiter:junit-jupiter-params
    b. org.junit.jupiter:junit-vintage-engine
    c. org.junit.vintage:junit-jupiter-migrationsupport
    d. org.junit.vintage:junit-vintage-engine

Q4. The rule support in JUnit 5 is limited to those rules semantically compatible with the Jupiter extension model.

    a. True
    b. False

Q5. Which JUnit 5's argument provider is used to specify an array of literal values (String, int, long, or double)?

    a. @ValueSource

b. @EnumSource

c. @MethodSource

d. @ArgumentsSource

Q6. Which JUnit 5's argument provider is used to specify a custom argument provider (i.e. a Java class implementing the interface ArgumentsProvider)??

e. @ EnumSource

f. @ArgumentsSource

g. @MethodSource

h. @ValueSource

Q7. Which annotation(s) should be used to define a test template?

a. @TestTemplate and @ExtendWith

b. Only @TestTemplate

c. @Test

d. @ParameterizedTest

Q8. The Console Launcher is a command-line Java application that allow to launch the JUnit Platform from the console that can be used to run Vintage and Jupiter tests from the command line.

a. True

b. False

Q9. Since M5, all JUnit 5 artifacts are shipped with compiled module descriptors for Java 9 declared in its JAR manifest.

a. True

b. False

Q10. Which are the names of the main components in the JUnit 5 architecture?

a. Parameterized tests

b. Scenario tests and support for parallel tests execution

c. Java 9 compatibility

d. Support for legacy tests (JUnit 3 and 4)