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**JUnit Testing Exercises**

**Exercise 1: Setting Up JUnit Scenario: You need to set up JUnit in your Java project to start writing unit tests.**

1. Create a new Java project in your IDE (e.g., IntelliJ IDEA, Eclipse).

2. Add JUnit dependency to your project.

If you are using Maven, add the following to your pom.xml:

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3. Create a new test class in your project.

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**Exercise 3: Assertions in Junit**

**Scenario: You need to use different assertions in JUnit to validate your test results.**

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**Exercise 4: Arrange-Act-Assert (AAA) Pattern, Test Fixtures, Setup and Teardown Methods in JUnit**

Scenario: You need to organize your tests using the Arrange-Act-Assert (AAA) pattern and use setup and teardown methods.

1. Write tests using the AAA pattern.

2. Use @Before and @After annotations for setup and teardown methods.

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