<u>Assertions</u>

Step 1: Configuring pom.xml to add JUnit5 dependencies

```xml
<project xmlns="http://maven.apache.org/POM/4.0.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://maven.apache.org/POM/4.0.0
http://maven.apache.org/xsd/maven-4.0.0.xsd">
  <modelVersion>4.0.0</modelVersion>
  <groupId>UsingJUnit</groupId>
  <artifactId>UsingJUnit</artifactId>
  <version>0.0.1-SNAPSHOT</version>

  <dependencies>
      <dependency>
          <groupId>org.junit.jupiter</groupId>
          <artifactId>junit-jupiter-engine</artifactId>
          <version>5.4.2</version>
      </dependency>

       <dependency>
      <groupId>org.junit.platform</groupId>
      <artifactId>junit-platform-launcher</artifactId>
      <version>1.2.0</version>
    </dependency>

  </dependencies>
</project>
```

Step 2: Creating a JUnit class Assertions

```java
package com.ecommerce.tests;


import static org.junit.jupiter.api.Assertions.assertArrayEquals;
import static org.junit.jupiter.api.Assertions.assertEquals;
import static org.junit.jupiter.api.Assertions.assertFalse;
import static org.junit.jupiter.api.Assertions.assertNotEquals;
import static org.junit.jupiter.api.Assertions.assertNotNull;
import static org.junit.jupiter.api.Assertions.assertNotSame;
import static org.junit.jupiter.api.Assertions.assertNull;
import static org.junit.jupiter.api.Assertions.assertSame;
import static org.junit.jupiter.api.Assertions.assertThrows;
import static org.junit.jupiter.api.Assertions.assertTrue;

import org.junit.jupiter.api.*;
import org.junit.jupiter.api.condition.DisabledIf;
import org.junit.jupiter.api.condition.EnabledOnOs;
import org.junit.jupiter.api.condition.OS;
import org.junit.platform.runner.JUnitPlatform;
import org.junit.runner.RunWith;

@DisplayName("JUnit 5 Assertions Example")
@RunWith(JUnitPlatform.class)
public class Assertions {

    @Test
    @DisplayName("assert Examples")
    public void assertTests() {
        String str = null;
        String str2 = "some value";

        String[] a1 = { "A", "B" };
        String[] a2 = { "A", "B" };

        assertTrue(4 > 0);
```

```
        assertFalse(5 < 1);
        assertNull(str);
        assertNotNull(str2);

        assertSame(str, str);
        assertNotSame(str, str2);

        assertEquals(5, 5);
        assertNotEquals(5, 6);

        assertArrayEquals(a1, a2);

        assertThrows(RuntimeException.class, () -> {
            throw new RuntimeException();
        });
}
```