Phase – 3 Practice Project: Assisted Practice

12. Write a program to demonstrate assertions.

- Code
- ✓ pom.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
https://maven.apache.org/xsd/maven-4.0.0.xsd">
  <modelVersion>4.0.0</modelVersion>
  <groupId>UsingJUnit
  <artifactId>UsingJUnit</artifactId>
  <version>0.0.1-SNAPSHOT
  <dependencies>
       <dependency>
           <groupId>org.junit.jupiter</groupId>
           <artifactId>junit-jupiter-engine</artifactId>
           <version>5.4.2
       </dependency>
        <dependency>
       <groupId>org.junit.platform
       <artifactId>junit-platform-launcher</artifactId>
       <version>1.2.0
    </dependency>
  </dependencies>
</project>
✓ 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();
                });
        }
}
```

Output

