2.Write a program to demonstrate assertions.

pom.xml:

```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</groupId>
<artifactId>UsingJUnit</artifactId>
<version>0.0.1-SNAPSHOT</version>
<dependencies>
<dependency>
<groupId>org.junit.jupiter</groupId>
<artifactId>junit-jupiter-api</artifactId>
<version>5.7.2</version>
<scope>test</scope>
</dependency>
<dependency>
<groupId>org.junit.jupiter</groupId>
<artifactId>junit-jupiter-engine</artifactId>
<version>5.7.2</version>
</dependency>


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


</dependencies>
<build>
<plugins>

<plugin>
<groupId>org.apache.maven.plugins</groupId>
<artifactId>maven-compiler-plugin</artifactId>
<version>3.8.1</version>
<configuration>
<source>8</source>
<target>8</target>
</configuration>
</plugin>
</plugins>
```

```
    </build>


</project>
```

Assertions.java:

```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.DisplayName; import org.junit.jupiter.api.Test;

@DisplayName("JUnit 5 Assertions Example") 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: