

1. Write a program to demonstrate standard tests.

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
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>
```

StandardTestClass.java

```
package com.ecommerce.tests;

import static org.junit.jupiter.api.Assertions.fail;
import static org.junit.jupiter.api.Assumptions.assumeTrue;
import org.junit.jupiter.api.AfterAll;
import org.junit.jupiter.api.AfterEach;
import org.junit.jupiter.api.BeforeAll;
import org.junit.jupiter.api.BeforeEach;
import org.junit.jupiter.api.Disabled;
import org.junit.jupiter.api.DisplayName;
```

```
import org.junit.jupiter.api.Test;
import org.junit.platform.runner.JUnitPlatform;
import org.junit.runner.RunWith;

@DisplayName("JUnit 5 Standard Test Class Example")
@RunWith(JUnitPlatform.class)
public class StandardTestClass {
    @BeforeAll
    static void initAll() {
        System.out.println("initAll()");
    }

    @BeforeEach
    void init() {
        System.out.println("init()");
    }

    @Test
    void succeedingTest() {
        System.out.println("succeedingTest()");
    }

    @Test
    void failingTest() {
        System.out.println("failingTest()");
        fail("a failing test");
    }

    @Test
    @Disabled("for demonstration purposes")
    void skippedTest() {
        // not executed
    }

    @Test
    void abortedTest() {
        System.out.println("abortedTest()");
        assumeTrue("abc".contains("Z"));
        fail("test should have been aborted");
    }

    @AfterEach
```

```
void tearDown() {  
    System.out.println("tearDown()");  
}
```

```
@AfterAll  
static void tearDownAll() {  
    System.out.println("tearDownAll()");  
}  
}
```

