

## 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;

@DisplayName("JUnit 5 Standard Test Class Example")

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()");
    }
}

```