6.Write a program to demonstrate a dependency injection.

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>
```

```xml
</build>


</project>
```

DependencyInjection.java:
```java
package com.ecommerce.tests;


import static org.junit.jupiter.api.Assertions.assertEquals; import static
org.junit.jupiter.api.Assertions.assertTrue;

import org.junit.jupiter.api.BeforeEach;
import org.junit.jupiter.api.DisplayName;

import org.junit.jupiter.api.Tag; import org.junit.jupiter.api.Test;
import org.junit.jupiter.api.TestInfo;



@DisplayName("JUnit 5 Dependency Injection Example")


public class DependencyInjection {


DependencyInjection(TestInfo testInfo) {
assertEquals("JUnit 5 Dependency Injection Example", testInfo.getDisplayName());
}


@BeforeEach
void init(TestInfo testInfo) {
String displayName = testInfo.getDisplayName();
assertTrue(displayName.equals("TEST 1") || displayName.equals("test2()"));

}
```

```java
@Test
@DisplayName("TEST 1") @Tag("my-tag")
void test1(TestInfo testInfo) {
assertEquals("TEST 1", testInfo.getDisplayName());
assertTrue(testInfo.getTags().contains("my-tag"));
}


@Test
void test2() {

}


}
```

Output:


```java
1 package com.ecommerce.tests;
2
3 import static org.junit.jupiter.api.Assertions.assertEquals;
4 import static org.junit.jupiter.api.Assertions.assertTrue;
5
6 import org.junit.jupiter.api.BeforeEach;
7 import org.junit.jupiter.api.DisplayName;
8 import org.junit.jupiter.api.Tag;
9 import org.junit.jupiter.api.Test;
10 import org.junit.jupiter.api.TestInfo;
11
12
13 @DisplayName("JUnit 5 Dependency Injection Example")
14
15 public class DependencyInjection {
16
17     DependencyInjection(TestInfo testInfo) {
18         assertEquals("JUnit 5 Dependency Injection Example", testInfo.getDispla
19     }
20
21     @BeforeEach
22     void init(TestInfo testInfo) {
```

Project Explorer JUnit ×

Finished after 0.201 seconds

Runs: 2/2   Errors: 0   Failures: 0

JUnit 5 Dependency Injection Example [Runner: J
  TEST 1 (0.000 s)
  test2() (0.000 s)

UsingJUnit/pom.xml   DependencyInjection.java ×