

### 3. Write a program to demonstrate conditional test executions.

#### **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>
```

#### **ConditionalTest.java**

```
package com.ecommerce.tests;

import org.junit.jupiter.api.*;
import org.junit.jupiter.api.AfterAll;
import org.junit.jupiter.api.BeforeAll;
import org.junit.jupiter.api.Test;
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 Conditional Tests Example")
@RunWith(JUnitPlatform.class)
public class ConditionalTests {
    @Test
```

```
@EnabledOnOs({ OS.WINDOWS })
public void runOnWindows() {
    System.out.println("This runs on Windows");
}
```

```
@Test
@EnabledOnOs({ OS.LINUX })
public void runOnLinux() {
    System.out.println("This runs on Linux");
}
```

```
@Test
@DisabledIf("Math.random() < 0.314159")
void mightNotBeExecuted() {
    System.out.println("This may or not execute ");
}
}
```

