

Phase-3 Practice Project: Assisted Practice

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
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>
```

ConditionalTests.java:

```
package com.ecommerce.tests;
```

```
import org.junit.jupiter.api.Assumptions; import org.junit.jupiter.api.DisplayName; import  
org.junit.jupiter.api.Test;  
import org.junit.jupiter.api.condition.EnabledOnOs; import org.junit.jupiter.api.condition.OS;
```

```
@DisplayName("JUnit 5 Conditional Tests Example")
```

```
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
```

```
    void mightNotBeExecuted() {
```

```
Assumptions.assumeTrue(5 > 1, "This may or may not execute");  
}  
}
```

Output:

