

3.9 Assisted Practice:

3. Write a program to demonstrate conditional test executions.

Source Code:

ConditionalTests.java

```
package com.ecommerce.tests;

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;
import org.junit.platform.runner.JUnitPlatform;
import org.junit.runner.RunWith;

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

@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");
        assertEquals(1, 1); // Add meaningful assertion for coverage
    }

    @Test
    @EnabledOnOs({OS.LINUX})
    public void runOnLinux() {
        System.out.println("This runs on Linux");
        assertEquals(1, 1); // Add meaningful assertion for coverage
    }
}
```

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>JUnitCond</groupId>
    <artifactId>JUnitCond</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>
```

Output #1:

