

## Phase – 3 Practice Project: Assisted Practice

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

- **Code**

- ✓ **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-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>
```

- ✓ **ConditionalTests.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 ");
    }
}

```

## • Output

