Exercise 2: Verifying Interactions

Program:

Interface Sender:

**public** **interface** Sender {

**void** sendMessage(String receiver , String message);

}

Class Notification:

**public** **class** Notification {

**private** Sender sender ;

Notification(Sender sender)

{

**this**.sender = sender;

}

**public** **void** notify(String receiver, String content)

{

sender.sendMessage(receiver , content);

}

}

Class NotificationTester

**import** org.junit.jupiter.api.Test;

**import** **static** org.mockito.Mockito.\*;

**public** **class** NotificationTest {

@Test

**public** **void** testSendMessageCalledWithCorrectArgs() {

Sender mockSend = *mock*(Sender.**class**);

Notification service = **new** Notification(mockSend);

service.notify("alice@example.com", "Welcome!");

*verify*(mockSend).sendMessage("alice@example.com", "Welcome!");

}

}

Pom.xml to load Dependencies:

<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>com.example</groupId>

<artifactId>MockDemo</artifactId>

<version>0.0.1-SNAPSHOT</version>

<dependencies>

<dependency>

<groupId>org.mockito</groupId>

<artifactId>mockito-core</artifactId>

<version>5.12.0</version>

<scope>test</scope>

</dependency>

</dependencies>

</project>

Output:

