**Mockito Hands-On Exercises**

**Exercise 4: Handling Void Methods**

Scenario: You need to test a void method that performs some action.

Steps:

1. Create a mock object.

2. Stub the void method.

3. Verify the interaction.

**CODE:**

Notifier.java

package org.example;  
  
public interface Notifier {  
 void send(String message);  
}

NotificationService.java

package org.example;  
  
public class NotificationService {  
 private final Notifier notifier;  
  
 public NotificationService(Notifier notifier) {  
 this.notifier = notifier;  
 }  
  
 public void alertUser(String message) {  
 System.*out*.println("Calling Notifier.send() with: " + message);  
 notifier.send(message);  
 }  
}

NotificationServiceTest.java

package org.example;  
import org.junit.Test;  
import static org.mockito.Mockito.\*;  
import static org.mockito.ArgumentMatchers.\*;  
public class NotificationServiceTest {  
  
 @Test  
 public void testVoidMethod() {  
 Notifier mockNotifier = *mock*(Notifier.class);  
 *doNothing*().when(mockNotifier).send(*anyString*());  
 NotificationService service = new NotificationService(mockNotifier);  
 service.alertUser("Hello");  
 *verify*(mockNotifier).send(*eq*("Hello"));  
 System.*out*.println("Void method was called successfully.");  
 }  
}

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>org.example</groupId>  
 <artifactId>ArgumentMatching</artifactId>  
 <version>1.0-SNAPSHOT</version>  
  
 <properties>  
 <maven.compiler.source>17</maven.compiler.source>  
 <maven.compiler.target>17</maven.compiler.target>  
 </properties>  
  
 <dependencies>  
  
 <dependency>  
 <groupId>junit</groupId>  
 <artifactId>junit</artifactId>  
 <version>4.13.2</version>  
 <scope>test</scope>  
 </dependency>  
  
  
 <dependency>  
 <groupId>org.mockito</groupId>  
 <artifactId>mockito-core</artifactId>  
 <version>5.11.0</version>  
 <scope>test</scope>  
 </dependency>  
 </dependencies>  
</project>

**OUTPUT:**

