**Exercise 2: Verifying Interactions**

Scenario:

You need to ensure that a method is called with specific arguments.

Steps:

1. Create a mock object.

2. Call the method with specific arguments.

3. Verify the interaction.

Solution Code:

import static org.mockito.Mockito.\*;

import org.junit.jupiter.api.Test;

import org.mockito.Mockito;

public class MyServiceTest {

@Test

public void testVerifyInteraction() {

ExternalApi mockApi = Mockito.mock(ExternalApi.class);

MyService service = new MyService(mockApi);

service.fetchData();

verify(mockApi).getData();

}

}

**Source Code:**

**File: MyServiceTest.java**

**package** my.mock;

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

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

**import** org.mockito.Mockito;

**interface** ExternalApi {

**void** getData();

}

**class** MyService {

**private** **final** ExternalApi api;

**public** MyService(ExternalApi api) {

**this**.api = api;

}

**public** **void** fetchData() {

api.getData();

}

}

**public** **class** MyServiceTest {

@Test

**public** **void** testVerifyInteraction() {

ExternalApi mockApi = Mockito.*mock*(ExternalApi.**class**);

MyService service = **new** MyService(mockApi);

service.fetchData();

*verify*(mockApi).getData();

}

}

**Output:**

Test Passed!