**Exercise 2: Verifying Interactions**

**ExternalApi.java**

package VERIFYINTERACTION;

public interface ExternalApi {

String getData();

}

**MyService.java**

package VERIFYINTERACTION;

public class MyService {

private ExternalApiexternalApi;

public MyService(ExternalApiexternalApi) {

this.externalApi = externalApi;

}

public String fetchData() {

return externalApi.getData();

}

}

**MyServiceTest.java**

package VERIFYINTERACTION;

import static org.mockito.Mockito.\*;

import org.junit.jupiter.api.Test;

import org.mockito.Mockito;

public class MyServiceTest {

@Test

public void testVerifyInteraction() {

// Step 1: Create a mock object

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

// Step 2: Call the method using MyService

MyService service = new MyService(mockApi);

service.fetchData();

// Step 3: Verify that getData() was called

*verify*(mockApi).getData();

System.*out*.println("Verified: getData() was called on mockApi");

}

}

**OUTPUT**

