**Exercise 2: Verifying Interactions**

Solution Code:

**package** com.cts.Mockito;

**public** **interface** ExternalAPI {

String getData();

}

**package** com.cts.Mockito;

**public** **class** MyService {

**private** ExternalAPI api;

**public** MyService(ExternalAPI api) {

**this**.api = api;

}

**public** String fetchData() {

**return** api.getData();

}

}

**package** com.cts.Mockito;

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

**import** org.mockito.Mockito;

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

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

@Test

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

// Step 1: Create mock object

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

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

//2.Call the method

service.fetchData();

//3.Verify the interaction

*verify*(mockApi).getData();

}

}

Output:

