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.

**MyServiceTest.java**

**package** com.example;

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

**import** **static** org.junit.jupiter.api.Assertions.\*;

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

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

@Test

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

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

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

service.fetchData();

service.fetchData();

*verify*(mockApi, *atLeastOnce*()).getData();

*verify*(mockApi, *times*(2)).getData();

*verify*(mockApi, *atMost*(2)).getData();

}

}

**MyService.java**

**package** com.example;

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

**private** ExternalApi api;

**public** MyService(ExternalApi api) {

**this**.api = api;

}

**public** String fetchData() {

**return** api.getData();

}

}

**ExternalApi.java**

**package** com.example;

**public** **interface** ExternalApi {

String getData();

}



