**Exercise 2: Verifying Interactions**

Scenario: You need to ensure that a method is called with specific arguments.  
interface ExternalApi {

String getData();

}

class MockExternalApi implements ExternalApi {

boolean called = false;

public String getData() {

called = true;

return "Mock Data";

}

public boolean wasCalled() {

return called;

}

}

class MyService {

private ExternalApi api;

public MyService(ExternalApi api) {

this.api = api;

}

public String fetchData() {

return api.getData();

}

}

public class MyServiceTest {

public static void main(String[] args) {

MockExternalApi mockApi = new MockExternalApi();

MyService service = new MyService(mockApi);

String result = service.fetchData();

if (!"Mock Data".equals(result)) {

System.out.println("❌ FAIL: Wrong result");

} else if (!mockApi.wasCalled()) {

System.out.println("❌ FAIL: getData() not called");

} else {

System.out.println("✅ PASS");

}

}

}

