**Module 4 - Test driven development and Logging framework**

**Exercise 6: Verifying Interaction Order**

**Question:**

**You need to ensure that methods are called in a specific order.**

**STEPS:**

1. Create a mock object.
2. Call the methods in a specific order.
3. Verify the interaction order.

**CODE:**

import static org.mockito.Mockito.\*;

import org.junit.jupiter.api.Test;

import org.mockito.Mockito;

// External dependency

interface ExternalApi {

String getData();

}

// Service using ExternalApi

class MyService {

private ExternalApi api;

public MyService(ExternalApi api) {

this.api = api;

}

public String fetchData() {

return api.getData();

}

}

public class MyServiceTest {

@Test

public void testVerifyInteraction() {

// Step 1: Create mock

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

// Step 2: Call method

MyService service = new MyService(mockApi);

service.fetchData();

// Step 3: Verify interaction

verify(mockApi).getData();

}

}

**OUTPUT:**

Tests run: 1, Failures: 0, Errors: 0, Skipped: 0

BUILD SUCCESS