**Exercise 6: Verifying Interaction Order**

**MyService.java**

public class MyService {

private final ExternalApi api;

public MyService(ExternalApi api) {

this.api = api;

}

public String fetchData() {

return api.getData();

}

public void doAction() {

api.performAction();

}

public void sendWelcomeMessage(String name) {

System.out.println("Hi, "+name);

}

public void process() {

api.getData();

api.performAction();

}

}

**MyServiceTest.java**

import com.mycompany.mavenproject3.ExternalApi;

import com.mycompany.mavenproject3.MyService;

import static org.junit.jupiter.api.Assertions.assertEquals;

import static org.mockito.Mockito.\*;

import org.junit.jupiter.api.Test;

import org.mockito.InOrder;

import org.mockito.Mockito;

public class MyServiceTest {

@Test

public void testMethodCallOrder() {

ExternalApi mockApi = mock(ExternalApi.class);

MyService service = new MyService(mockApi);

service.process();

InOrder inOrder = inOrder(mockApi);

inOrder.verify(mockApi).getData();

inOrder.verify(mockApi).performAction();

}

**Output**