**Exercise 5: Mocking and Stubbing with Multiple Returns**

1. ExternalApi.java

package com.exercise5;

public interface ExternalApi {

String getData();

}

1. MyService.java

package com.exercise5;

public class MyService {

private ExternalApi api;

public MyService(ExternalApi api) {

this.api = api;

}

public String callApi() {

return api.getData();

}

}

1. MyServiceTest.java

package com.exercise5;

import org.junit.jupiter.api.Test;

import static org.mockito.Mockito.\*;

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

public class MyServiceTest {

*@Test*

public void testMultipleReturnValues() {

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

*when*(mockApi.getData()).thenReturn("First", "Second", "Third");

MyService service = new MyService(mockApi);

*assertEquals*("First", service.callApi());

*assertEquals*("Second", service.callApi());

*assertEquals*("Third", service.callApi());

}

}

Output:

