Exercise 1: Mocking and Stubbing

ExternalApi.java

package com.example;

public interface ExternalApi {

    String getData();

}

MyserviceApi.java

package com.example;

public class MyService {

    private ExternalApi api;

    public MyService(ExternalApi api) {

        this.api = api;

    }

    public String fetchData() {

        return api.getData();

    }

}

MyServiceTest.java

import static org.mockito.Mockito.\*;

import static org.junit.Assert.\*;

import org.junit.Test;

import org.mockito.Mockito;

import com.example.ExternalApi;

import com.example.MyService;

public class MyServiceTest {

    @Test

    public void testExternalApi() {

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

        when(mockApi.getData()).thenReturn("Mock Data");

        MyService service = new MyService(mockApi);

        String result = service.fetchData();

        assertEquals("Mock Data", result);

    }

}

A screenshot of a computer screen

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