**Exercise 1: Mocking and Stubbing**

**package** com.cts.week2Mockito;

**public** **class** ExternalApi {

**public** String getData() {

**return** "Real Data";

}

}

public class MyService {

private ExternalApi api;

public MyService(ExternalApi api) {

this.api = api;

}

public String fetchData() {

return api.getData();

}

}

import static org.mockito.Mockito.\*;

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

import org.junit.jupiter.api.Test;

public class MyServiceTest {

@Test

public void testExternalApi() {

ExternalApi mockApi = mock(ExternalApi.class);

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

MyService service = new MyService(mockApi);

String result = service.fetchData();

assertEquals("Mock Data", result);

}

}

Output:  
A screenshot of a computer

AI-generated content may be incorrect.

Project structure:

A screenshot of a computer program

AI-generated content may be incorrect.