Exercise 2:

package com.example.demo;

public interface ExternalApi {

String getData();

String getData(String userId);

}

package com.example.demo;

public class MyService {

private ExternalApi api;

public MyService(ExternalApi api) {

this.api = api;

}

public String fetchData() {

return api.getData();

}

public String process(String userId) {

return api.getData(userId);

}

}

package com.example.demo;

import static org.mockito.Mockito.\*;

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

import org.junit.jupiter.api.Test;

public class MyServiceTest {

*@Test*

public void testFetchData() {

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

*when*(mockApi.getData()).thenReturn("mockdata");

*when*(mockApi.getData("user123")).thenReturn("mock-data with parameter");

MyService service = new MyService(mockApi);

String result1 = service.process("user123");

*verify*(mockApi).getData("user123");

System.***out***.println(result1);

}

}

A screenshot of a computer

AI-generated content may be incorrect.