// ExternalApi.java

public interface ExternalApi {

String getData();

}

// MyService.java

public class MyService {

private ExternalApi externalApi;

public MyService(ExternalApi externalApi) {

this.externalApi = externalApi;

}

public String fetchData() {

return externalApi.getData();

}

}

// MyServiceTest.java

import static org.mockito.Mockito.\*;

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

import org.junit.jupiter.api.Test;

import org.mockito.Mockito;

public class MyServiceTest {

@Test

public void testExternalApi() {

// 1. Create a mock of the external API

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

// 2. Stub the getData method to return a fixed response

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

// 3. Use the mock in the service and test the behavior

MyService service = new MyService(mockApi);

String result = service.fetchData();

// 4. Assert the expected value

assertEquals("Mock Data", result);

}

}

OUTPUT 🡪

