**ExtenalApi.java**

package org.example;

// ExternalApi.java

public interface ExternalApi {

String getData();

}  
  
 **MyService.java**

package org.example;

// MyService.java

public class MyService {

private final ExternalApi externalApi;

public MyService(ExternalApi externalApi) {

this.externalApi = externalApi;

}

public String fetchData() {

return externalApi.getData();

}

}

**MyServiceTest.java**

package org.example;

import static org.junit.jupiter.api.Assertions.assertEquals;

import static org.mockito.Mockito.\*;

import org.junit.jupiter.api.Test;

public class MyServiceTest {

@Test

public void testExternalApi() {

// 1. Create a mock for ExternalApi

ExternalApi mockApi = mock(ExternalApi.class);

// 2. Stub the getData() method

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

// 3. Inject mock into service

MyService service = new MyService(mockApi);

// 4. Call service method and verify

String result = service.fetchData();

assertEquals("Mock Data", result);

}

}