# **ExternalApi.java**

package com.example.service;

public interface ExternalApi {

String getData();

}

# **MyService.java**

package com.example.service;

public class MyService {

private ExternalApi api;

public MyService(ExternalApi api) {

this.api = api;

}

public String fetchData() {

return api.getData();

}

}

# **MyServiceTest.java**

package com.example.test;

import static org.junit.Assert.assertEquals;

import static org.mockito.Mockito.\*;

import org.junit.Test;

import com.example.service.ExternalApi;

import com.example.service.MyService;

import org.mockito.Mockito;

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);

}

}

# **Output:**

