File1:

package com.example.mocktest;

public interface ExternalApi {

String getData();

}

File:2

package com.example.mocktest;

public class MyService {

private ExternalApi api;

public MyService(ExternalApi api) {

this.api = api;

}

public String fetchData() {

return api.getData();

}

}

File3:

package com.example.mocktest;

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() {

// Step 1: Create a mock object

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

// Step 2: Stub the method to return predefined value

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

// Step 3: Pass mock to service

MyService service = new MyService(mockApi);

// Step 4: Call the service method and verify result

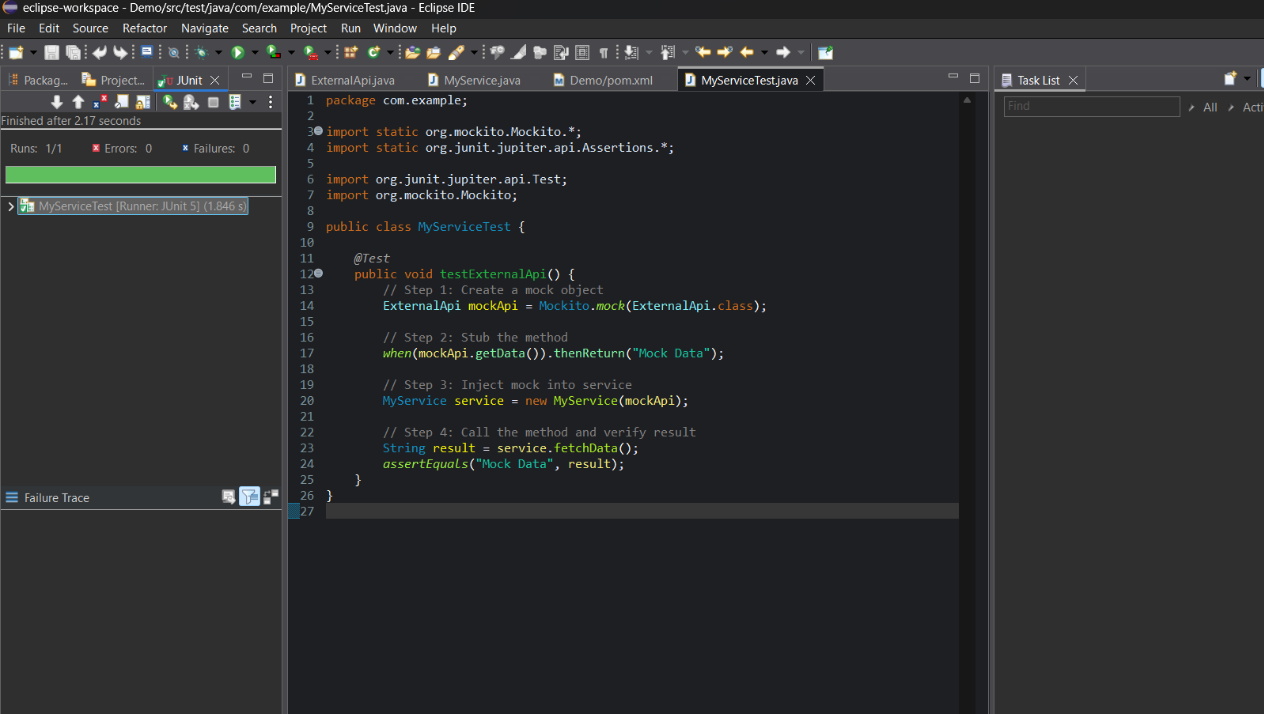
String result = service.fetchData();

assertEquals("Mock Data", result);

}

}

Output:

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