**Verifying Interactions**

**MyServiceTest.java**

import static org.mockito.Mockito.\*;

import org.junit.jupiter.api.Test;

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

import org.mockito.Mockito;

public class MyServiceTest {

@Test

public void testVerifyInteraction() {

System.out.println("=== Test Started ===");

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

System.out.println("Mock object created");

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

System.out.println("Stubbed getData() to return 'Mock Data'");

MyService service = new MyService(mockApi);

System.out.println("Service initialized with mock");

String result = service.fetchData();

System.out.println("fetchData() returned: " + result);

verify(mockApi).getData();

System.out.println("Verified: getData() was called");

assertEquals("Mock Data", result);

System.out.println("=== Test Completed Successfully ===");

}

}

**MyService.java**

public class MyService {

private ExternalApi api;

public MyService(ExternalApi api) {

this.api = api;

}

public String fetchData() {

System.out.println("Fetching data from external API...");

String data = api.getData();

System.out.println("Received data: " + data);

return data;

}

}

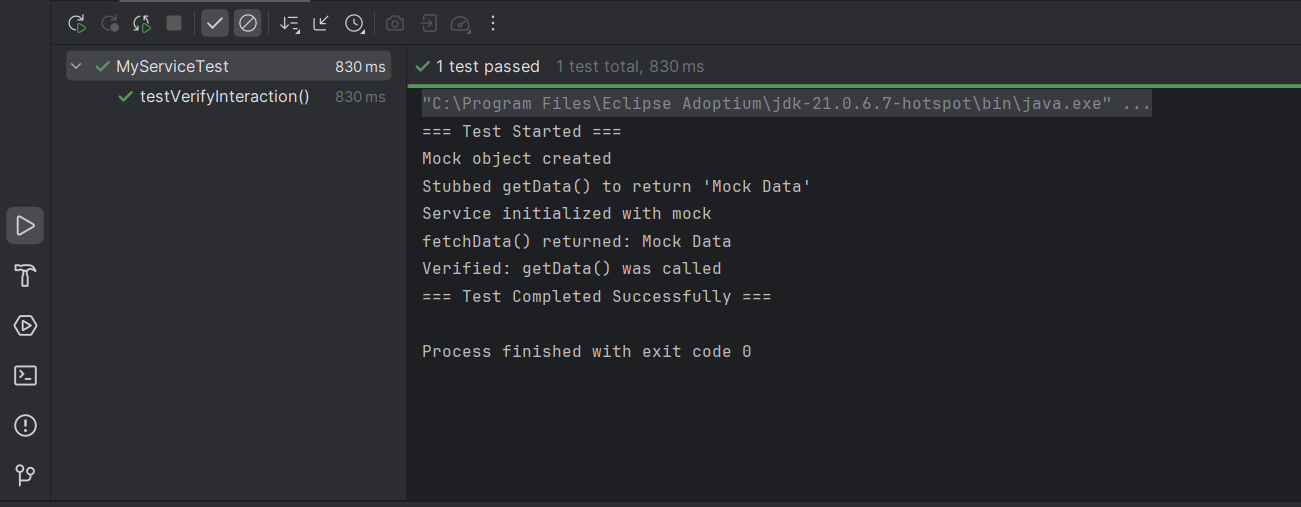
**ExternalApi.java**

public interface ExternalApi {

String getData();

}

**OUTPUT:**

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