**Exercise 2: Verifying Interactions**

**CODE :**

**ExternalApi.java**

package app;

// Simple external‑API contract

public interface ExternalApi {

String getData();

}

**MyService.java**

package app;

// Service under test

public class MyService {

private final ExternalApi api;

public MyService(ExternalApi api) {

this.api = api;

}

public String fetchData() {

// Delegates to external API

return api.getData();

}

}

**MyServiceTest.java**

package app;

import static org.mockito.Mockito.\*;

import org.junit.jupiter.api.Test;

import org.mockito.Mockito;

public class MyServiceTest {

@Test

public void testVerifyInteraction() {

// 1. Create mock

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

// 2. Use service that calls the method

MyService service = new MyService(mockApi);

service.fetchData();

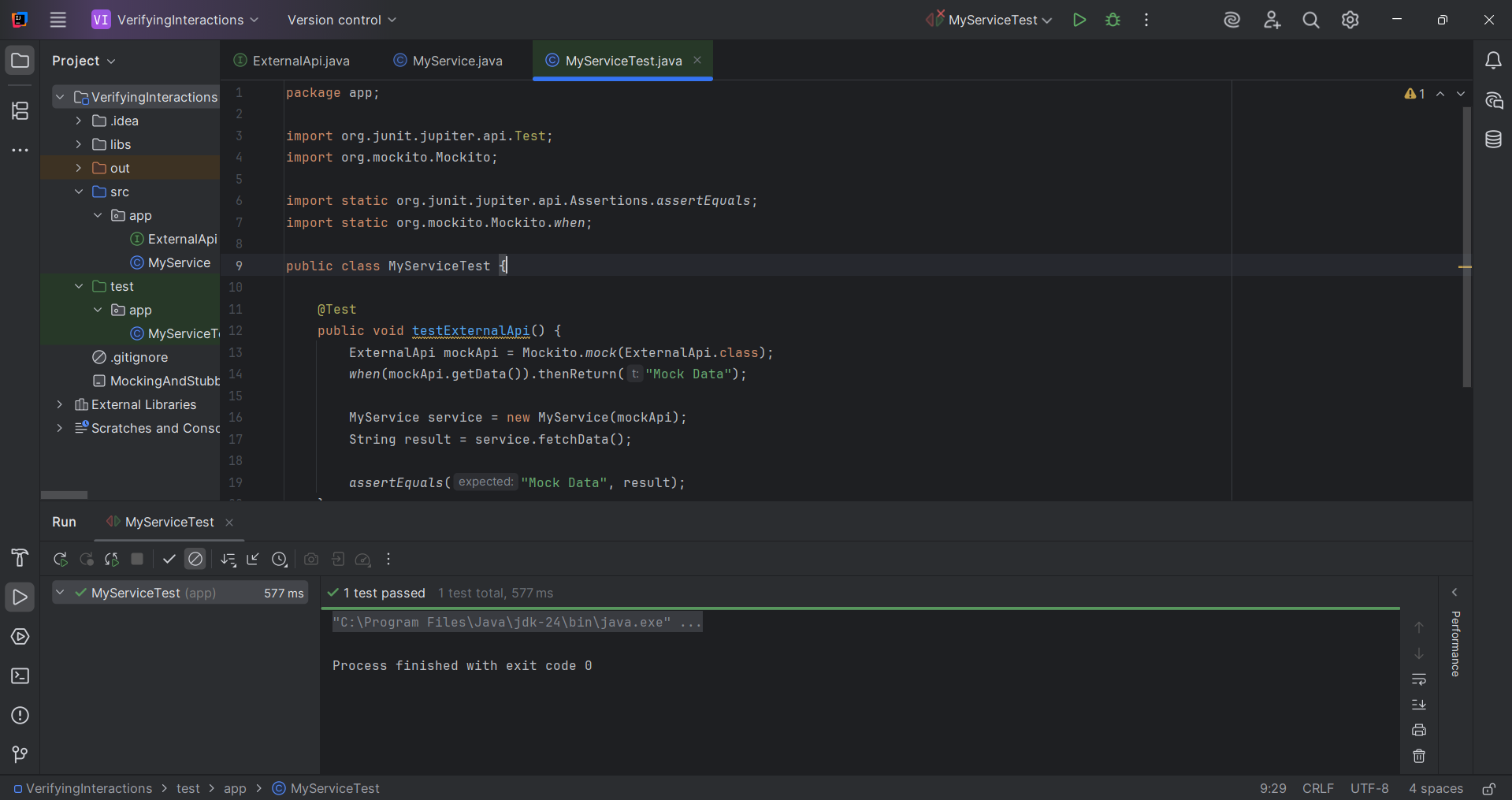
// 3. Verify the interaction happened exactly once

verify(mockApi).getData();

}

}

**OUTPUT :**

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