**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 org.junit.jupiter.api.Test;

import static org.mockito.Mockito.\*;

public class MyServiceTest {

@Test

public void testVerifyInteraction() {

// Arrange – create mock

ExternalApi mockApi = mock(ExternalApi.class);

// Act – use service

MyService service = new MyService(mockApi);

service.fetchData();

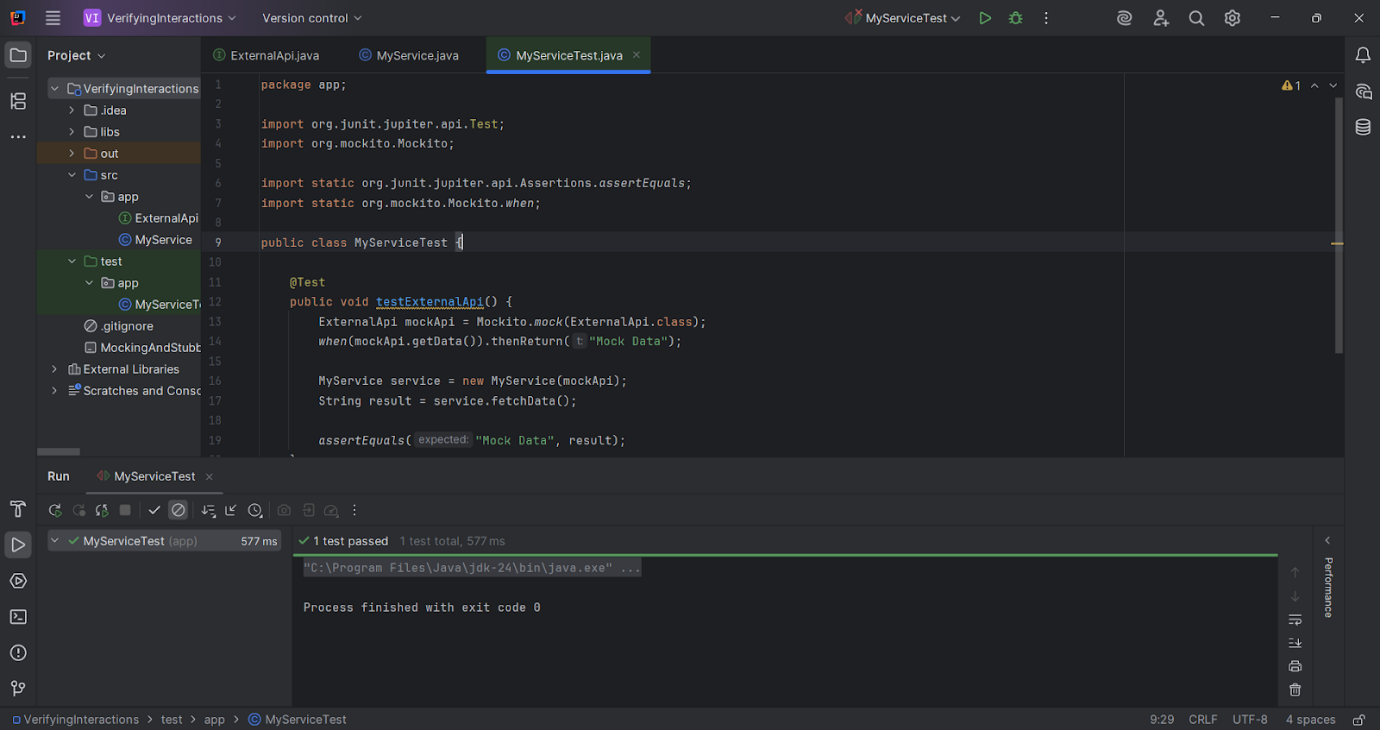
// Assert – verify interaction

verify(mockApi, times(1)).getData(); // explicitly verifying called once

}

}

**OUTPUT :**

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