**Exercise 2: Verifying Interactions**

**PROGRAM:**

**ExternalApi.java**

package org.example;

public interface ExternalApi{

String getData();

}

**MyService.java**

package org.example;

public class MyService {

private ExternalApi api;

public MyService(ExternalApi api) {

this.api = api;

}

public String fetchData() {

return api.getData();

}

}

**MyServicetest.java**

package org.example;

import org.junit.jupiter.api.Test;

import static org.mockito.Mockito.\*;

public class MyServicetest {

@Test

public void testVerifyInteraction() {

// Step 1: Create a mock object

ExternalApi mockApi = mock(ExternalApi.class);

// Step 2: Pass mock to the service

MyService service = new MyService(mockApi);

// Step 3: Call the method under test

service.fetchData();

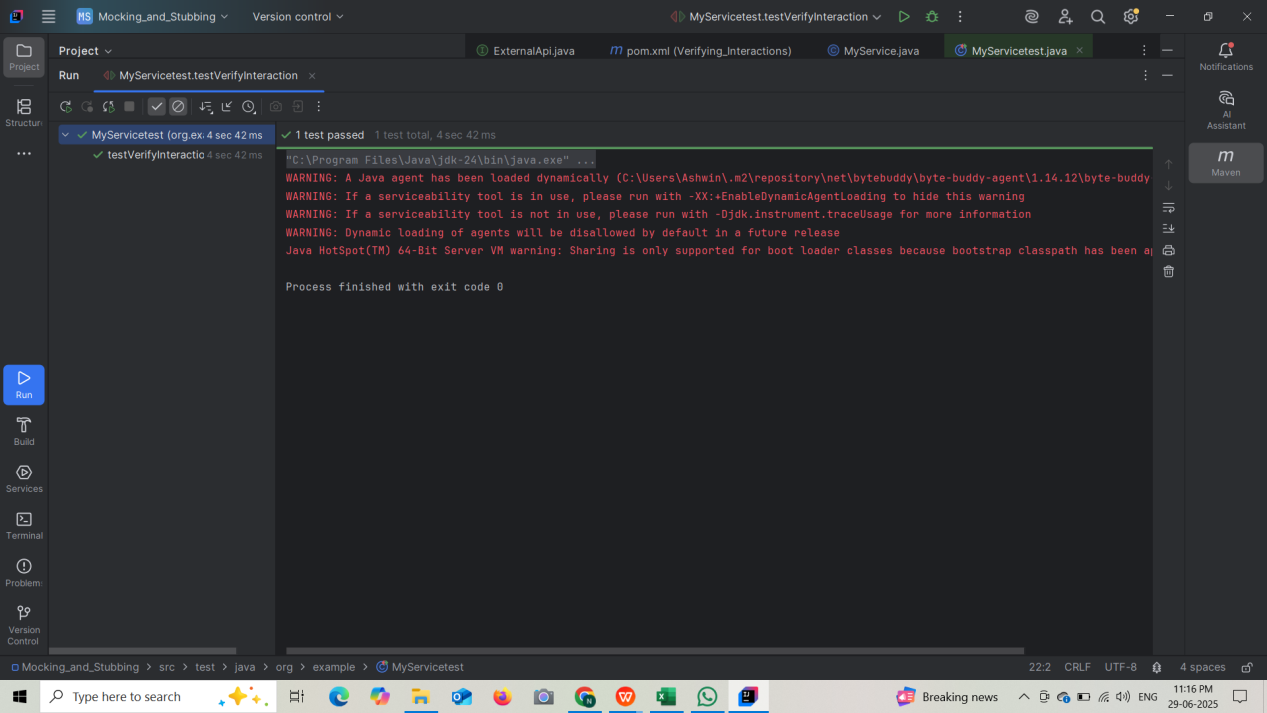
// Step 4: Verify the interaction

verify(mockApi).getData();

}

}

**OUTPUT:**

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