**Exercise 2: Verifying Interactions**

**CODE**

**ExternalApi.java**

package com.example;

public interface ExternalApi {

String getData();

}

**MyService.java**

package com.example;

public class MyService {

private final ExternalApi api;

public MyService(ExternalApi api) {

this.api = api;

}

public String fetchData() {

return api.getData();

}}

**MyServiceTest.java**

package com.example;

import static org.mockito.Mockito.\*;

import org.junit.jupiter.api.Test;

public class MyServiceTest {

@Test

public void testVerifyInteraction() {

ExternalApi mockApi = mock(ExternalApi.class);

when(mockApi.getData()).thenReturn("Mocked Response");

MyService service = new MyService(mockApi);

String result = service.fetchData();

System.out.println("Fetched result: " + result);

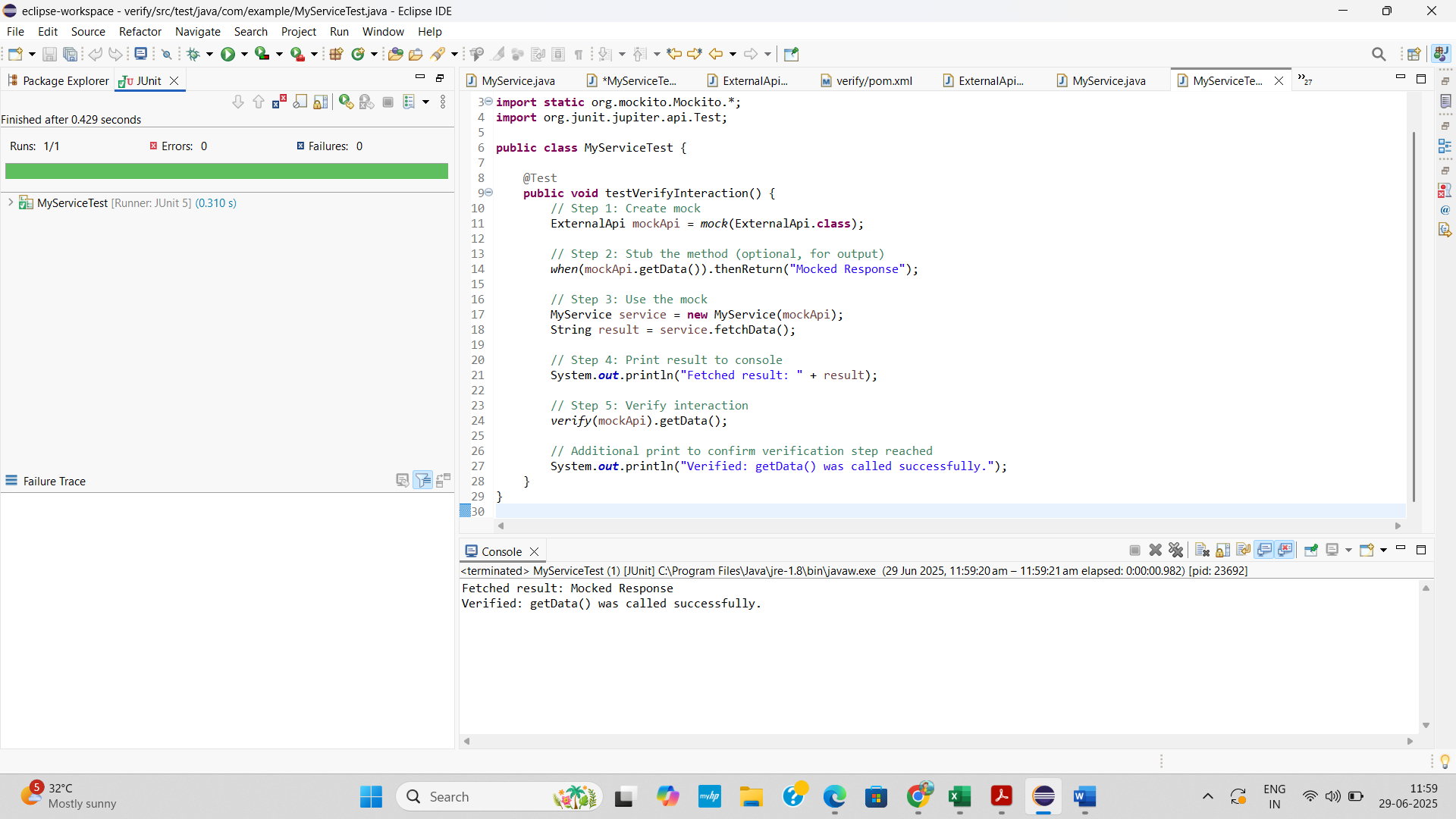
verify(mockApi).getData();

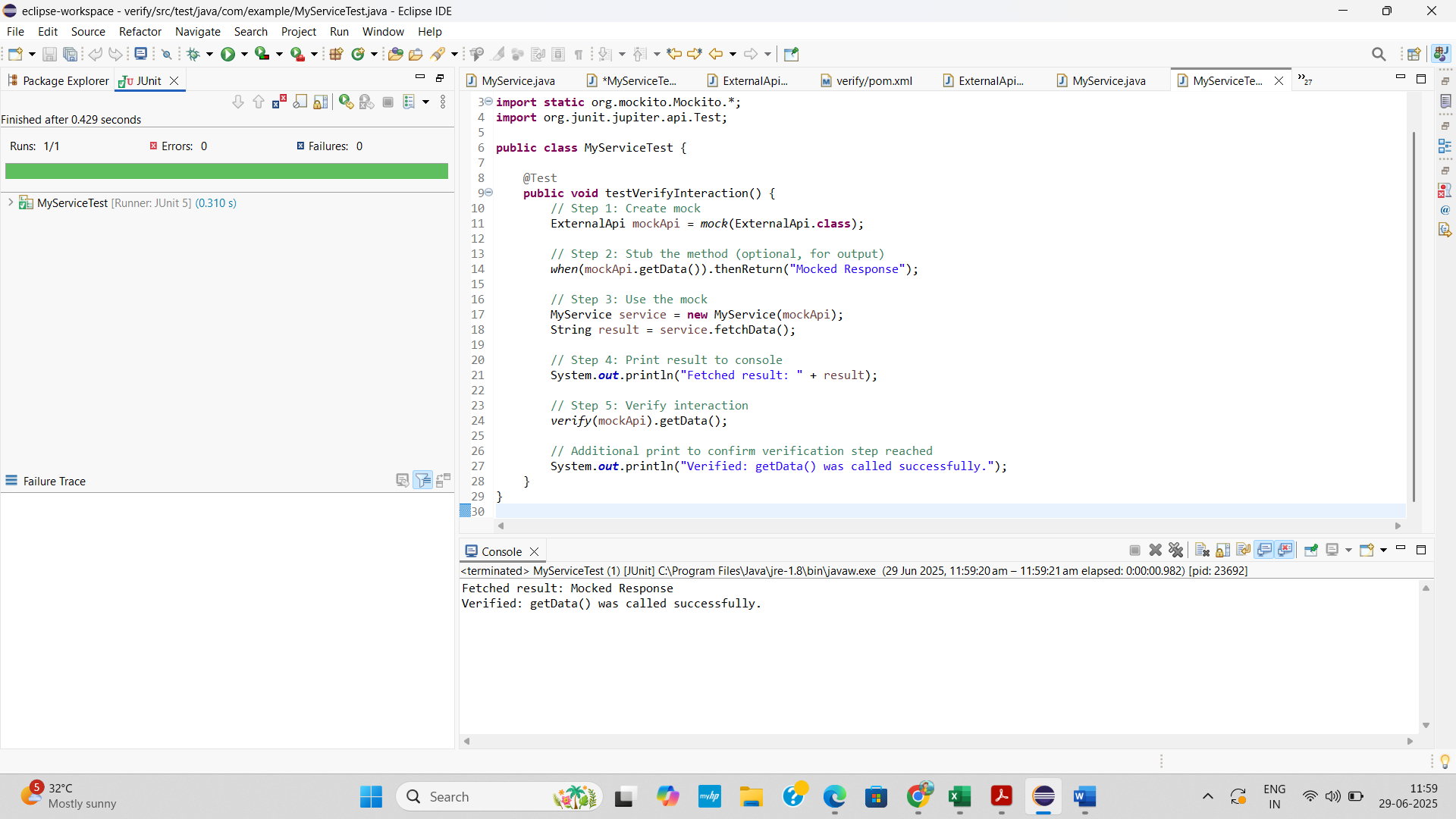
System.out.println("Verified: getData() was called successfully.");

}

}

**OUTPUT**

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