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**WEEK2:** 3.**MOCKITO EXERCISES**  
  
Exercise 2: Verifying Interactions

Scenario:

You need to ensure that a method is called with specific arguments.

Steps:

1. Create a mock object.

2. Call the method with specific arguments.

3. Verify the interaction.

Solution Code:

import static org.mockito.Mockito.\*;

import org.junit.jupiter.api.Test;

import org.mockito.Mockito;

public class MyServiceTest {

@Test

public void testVerifyInteraction() {

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

MyService service = new MyService(mockApi);

service.fetchData();

verify(mockApi).getData();

}

}  
  
**SAMPLE CODE:**  
  
  
public interface ExternalApi {

    void getData();

    void updateData(String id, int value);

}

public class MyService {

    private final ExternalApi externalApi;

    public MyService(ExternalApi externalApi) {

        this.externalApi = externalApi;

    }

    public void fetchData() {

        externalApi.getData();

    }

    public void processData(String id, int value) {

        externalApi.updateData(id, value);

    }

}

import static org.mockito.Mockito.\*;

import org.junit.jupiter.api.Test;

import org.mockito.Mockito;

public class MyServiceTest {

    @Test

    public void testVerifyInteractionWithArguments() {

        // 1. Create a mock object

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

        // 2. Call the method with arguments

        MyService service = new MyService(mockApi);

        service.processData("testId", 123);

        // 3. Verify the interaction

        verify(mockApi).updateData("testId", 123); // Checks if called with exact args

    }

}

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<!-- Mockito -->

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<!-- Mockito JUnit 5 Support -->

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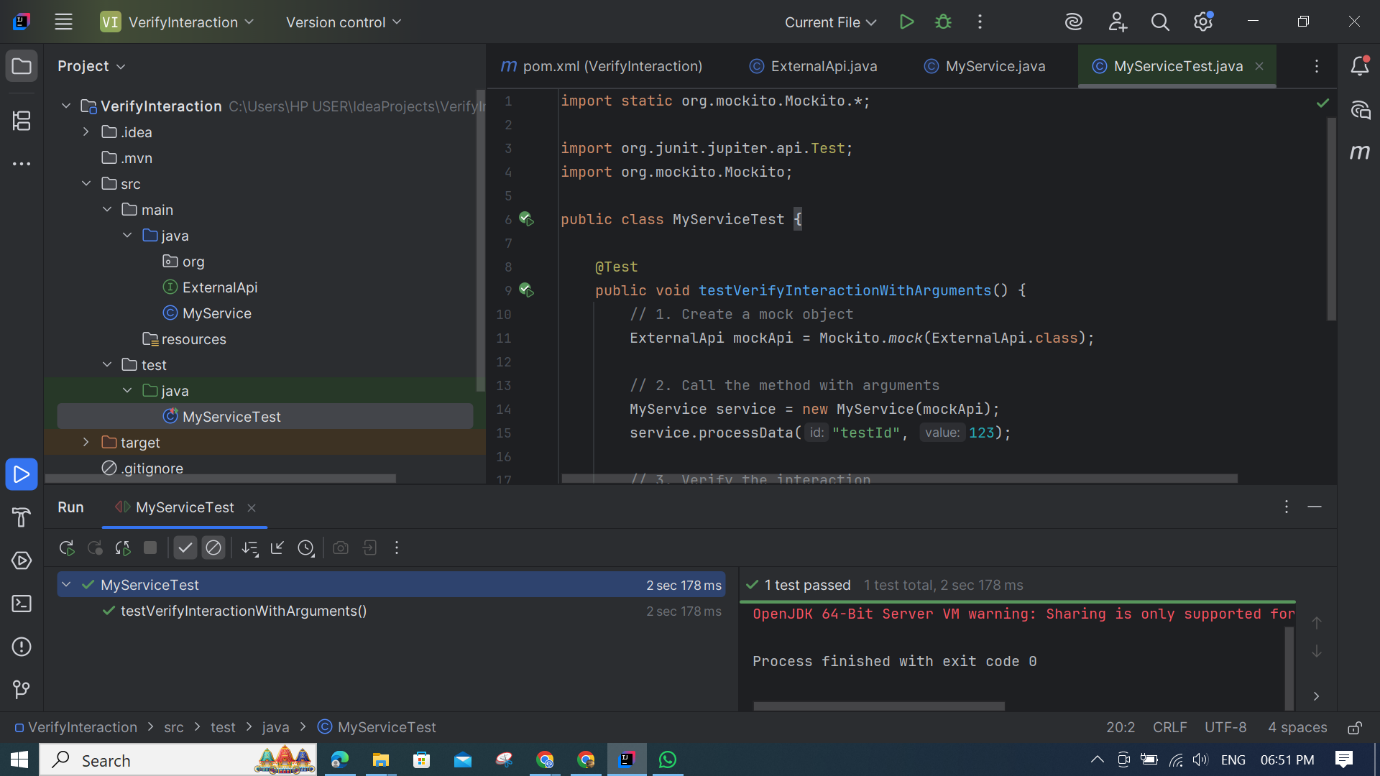
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**OUTPUT:  
  
  
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