**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:**

**//class name ExternalApi.java**

public interface ExternalApi {

String sendData(String msg);

}

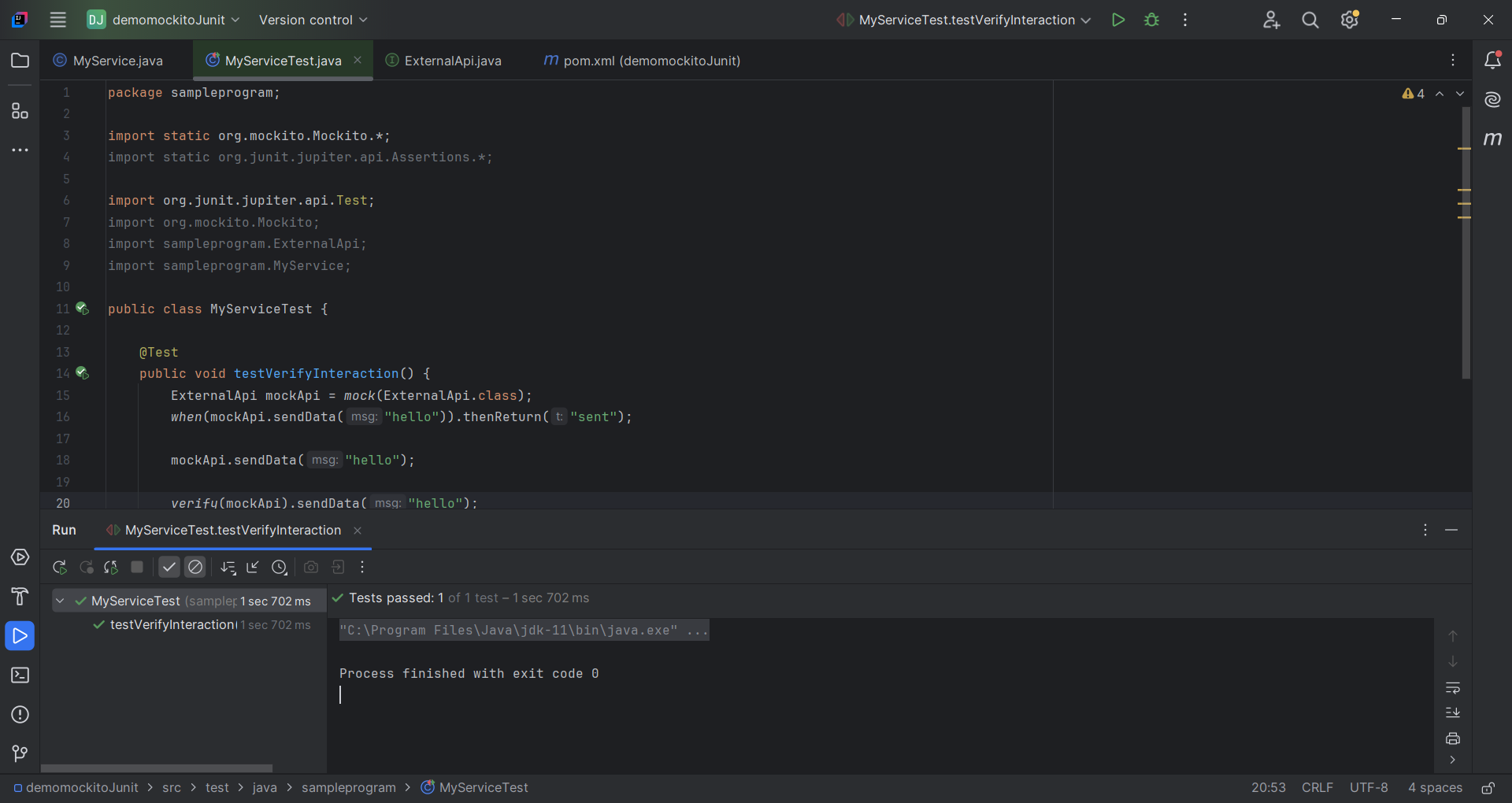
**//class name MyService.java**

package sampleprogram;  
  
// Real service depends on ExternalApi  
public class MyService {  
 private ExternalApi api;  
  
 public MyService(ExternalApi api) {  
 this.api = api;  
 }  
  
 public String fetchData() {  
 return api.sendData("");  
 }  
}

**// class name MyServiceTest.java**

package sampleprogram;  
  
import static org.mockito.Mockito.\*;  
import static org.junit.jupiter.api.Assertions.\*;  
  
import org.junit.jupiter.api.Test;  
import org.mockito.Mockito;  
import sampleprogram.ExternalApi;  
import sampleprogram.MyService;  
  
public class MyServiceTest {  
  
 @Test  
 public void testVerifyInteraction() {  
 ExternalApi mockApi = *mock*(ExternalApi.class);  
 *when*(mockApi.sendData("hello")).thenReturn("sent");  
  
 mockApi.sendData("hello");  
  
 *verify*(mockApi).sendData("hello");  
 *verify*(mockApi).sendData(*anyString*());  
 }  
}

**Output:**

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