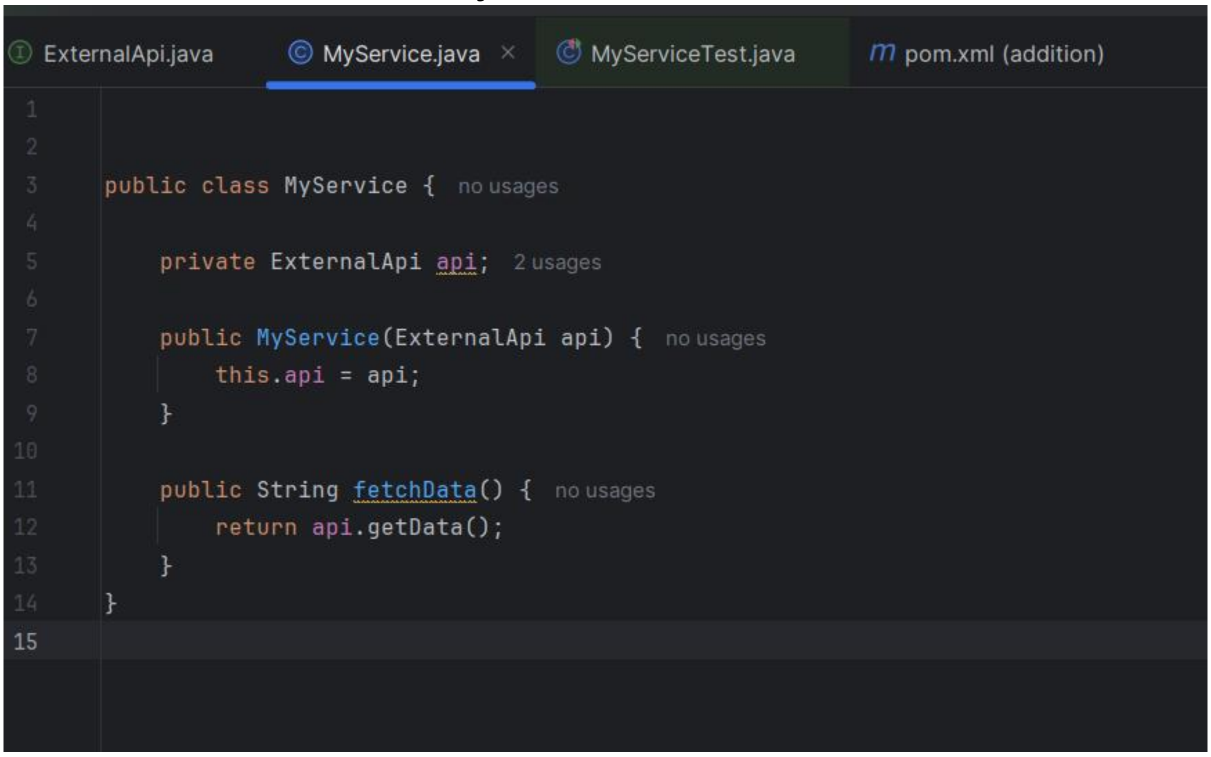
Exercise 2: Verifying Interactions
FROM FILE : Mockito Exercises

MyService.java : class

Code:

```
public class MyService {

    private ExternalApi api;

    public MyService(ExternalApi api) {
        this.api = api;
    }

    public String fetchData() {
        return api.getData();
    }
}
```

Practice screen from Intellij:



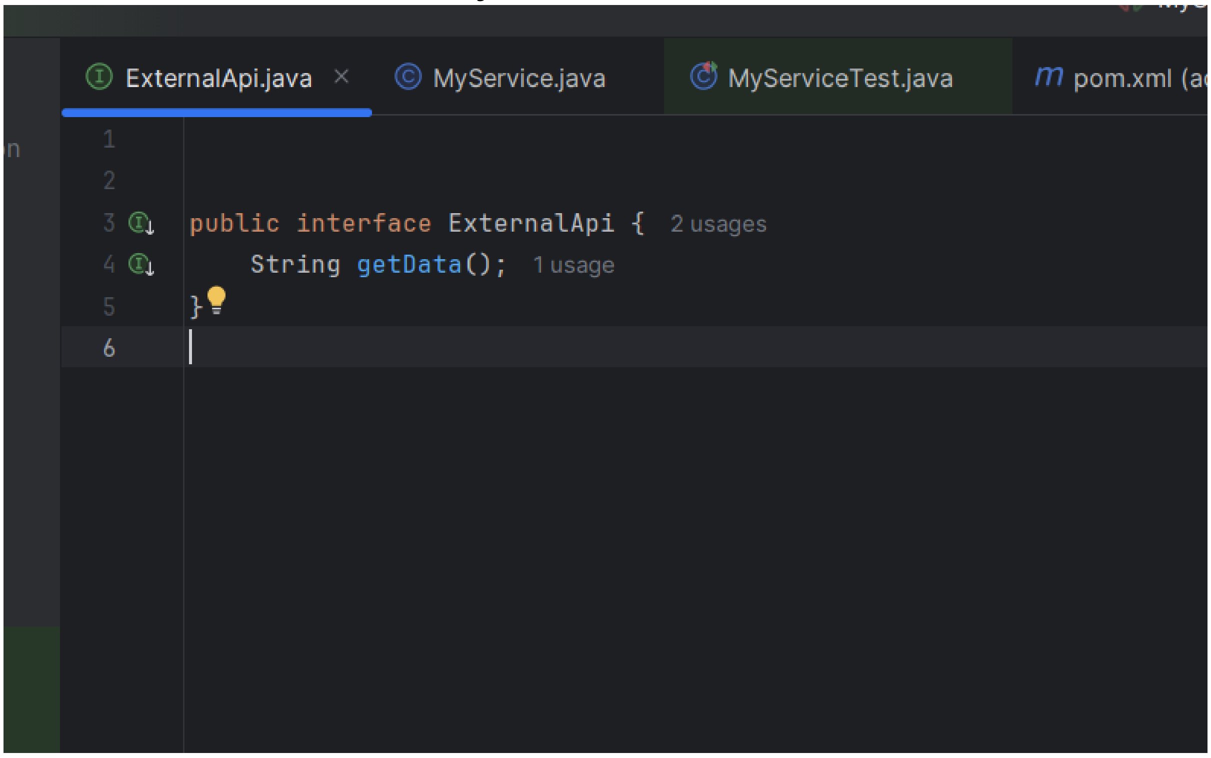
```


public class MyService {  no usages

    private ExternalApi api;  2 usages

    public MyService(ExternalApi api) {  no usages
        this.api = api;
    }

    public String fetchData() {  no usages
        return api.getData();
    }
}

```

ExternalApi.java class:

code:

```
public interface ExternalApi {
    String getData();
}
```

Practice screen from Intellij:



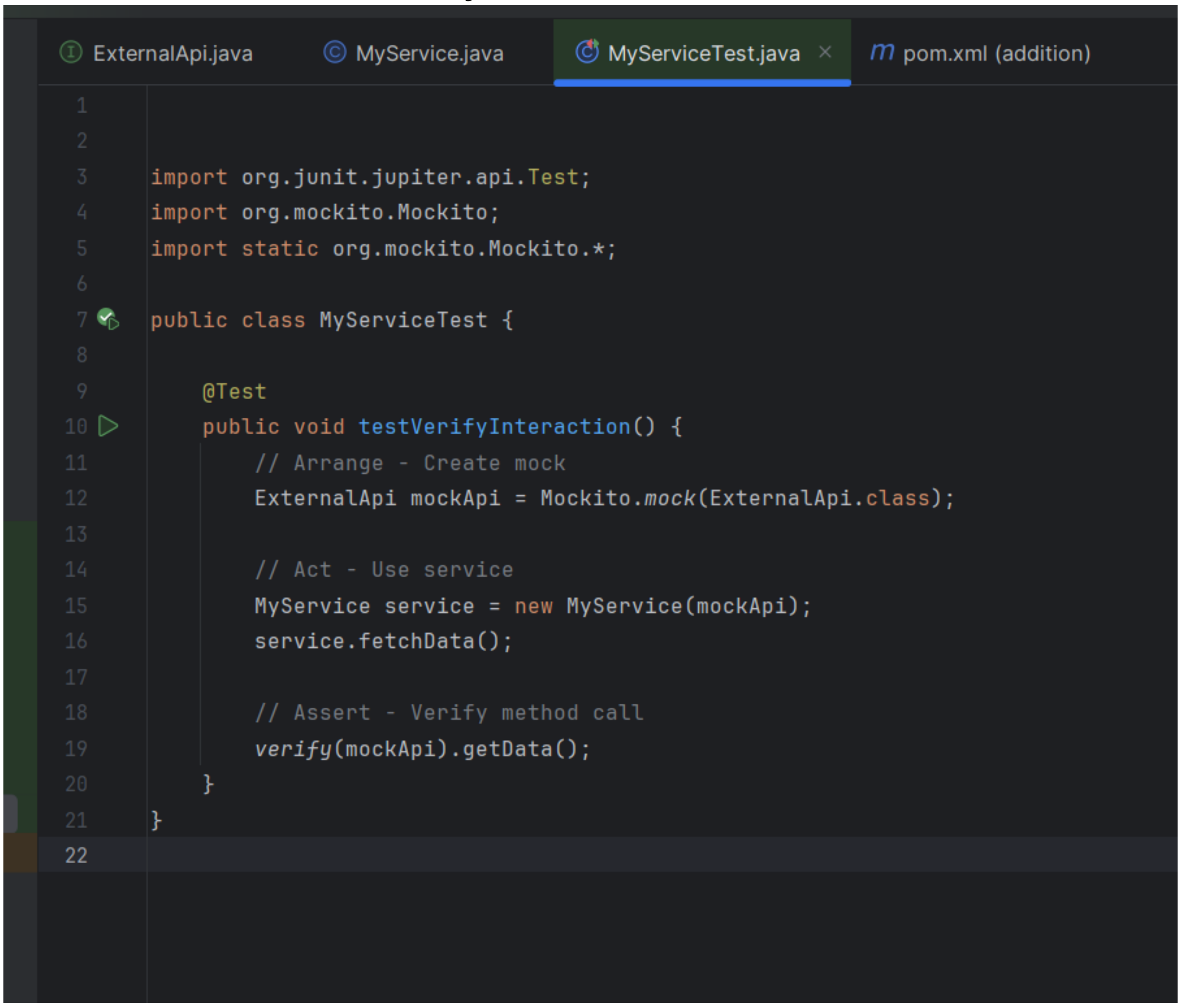
```
public interface ExternalApi {  2 usages
    String getData();  1 usage
}
```

ServiceTest.java class:

Code:

```
import org.junit.jupiter.api.Test;
import org.mockito.Mockito;
import static 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();
    }
}
```

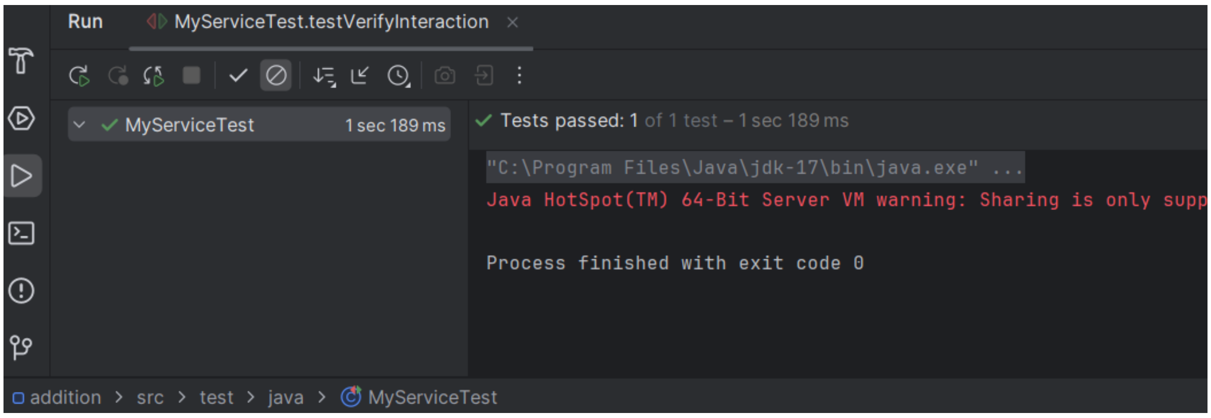
Practice screen from Intellij:



ExternalApi.java | MyService.java | MyServiceTest.java | pom.xml (addition)

```java


import org.junit.jupiter.api.Test;
import org.mockito.Mockito;
import static org.mockito.Mockito.*;

public class MyServiceTest {

    @Test
    public void testVerifyInteraction() {
        // Arrange - Create mock
        ExternalApi mockApi = Mockito.mock(ExternalApi.class);

        // Act - Use service
        MyService service = new MyService(mockApi);
        service.fetchData();

        // Assert - Verify method call
        verify(mockApi).getData();
    }
}

```

OUTPUT Scrren: Process finished with exit code 0



Run   MyServiceTest.testVerifyInteraction

MyServiceTest   1 sec 189 ms

✓ Tests passed: 1 of 1 test – 1 sec 189 ms

```
"C:\Program Files\Java\jdk-17\bin\java.exe" ...
Java HotSpot(TM) 64-Bit Server VM warning: Sharing is only supp

Process finished with exit code 0
```

addition > src > test > java > MyServiceTest