**Exercise 1:** **Mocking and Stubbing**

**Code:**

**ExternalApi.java**

package org.example.MockitoExercises;  
  
public interface ExternalApi {  
 String getData();  
}

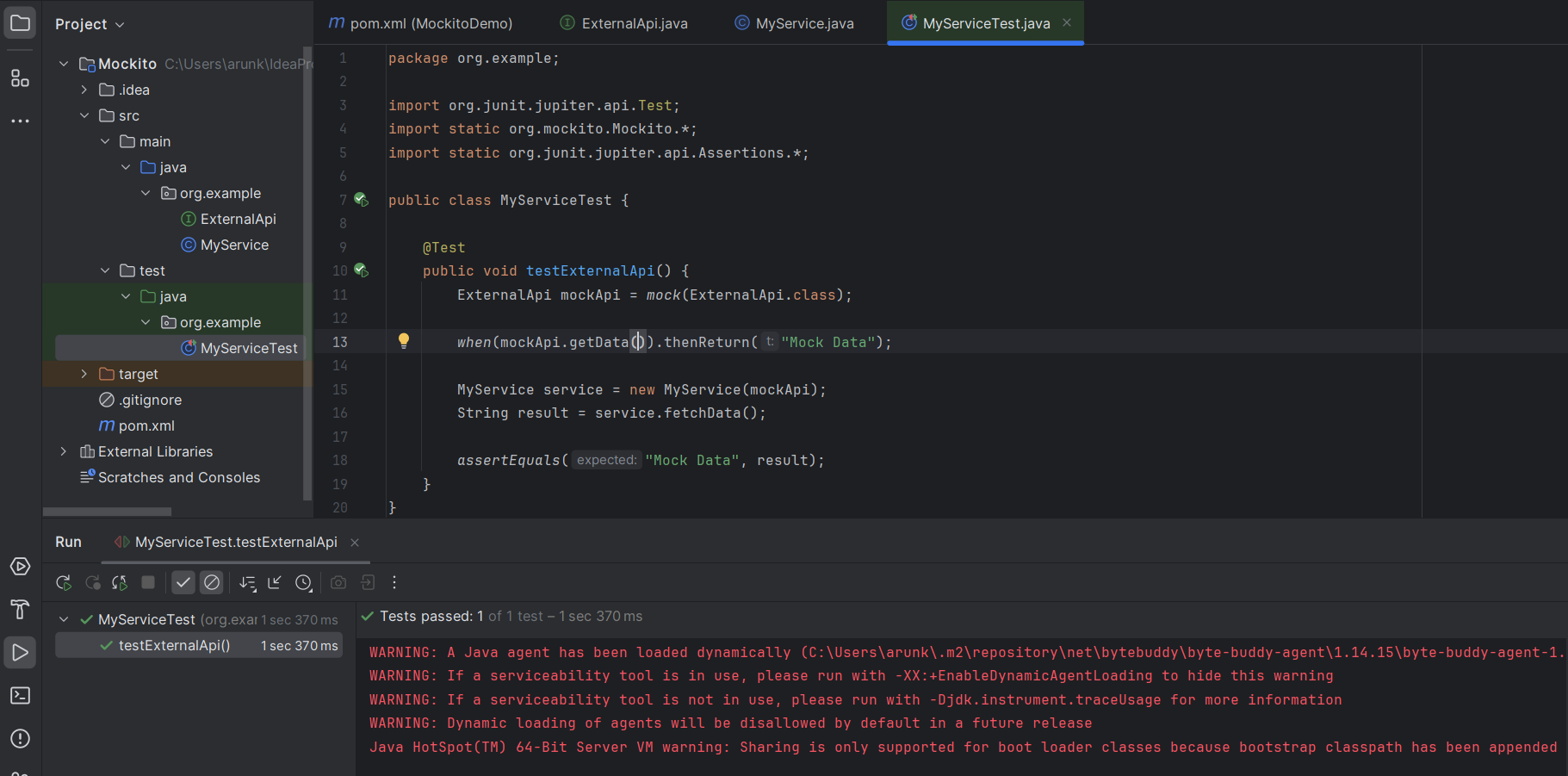
**MyService.java**

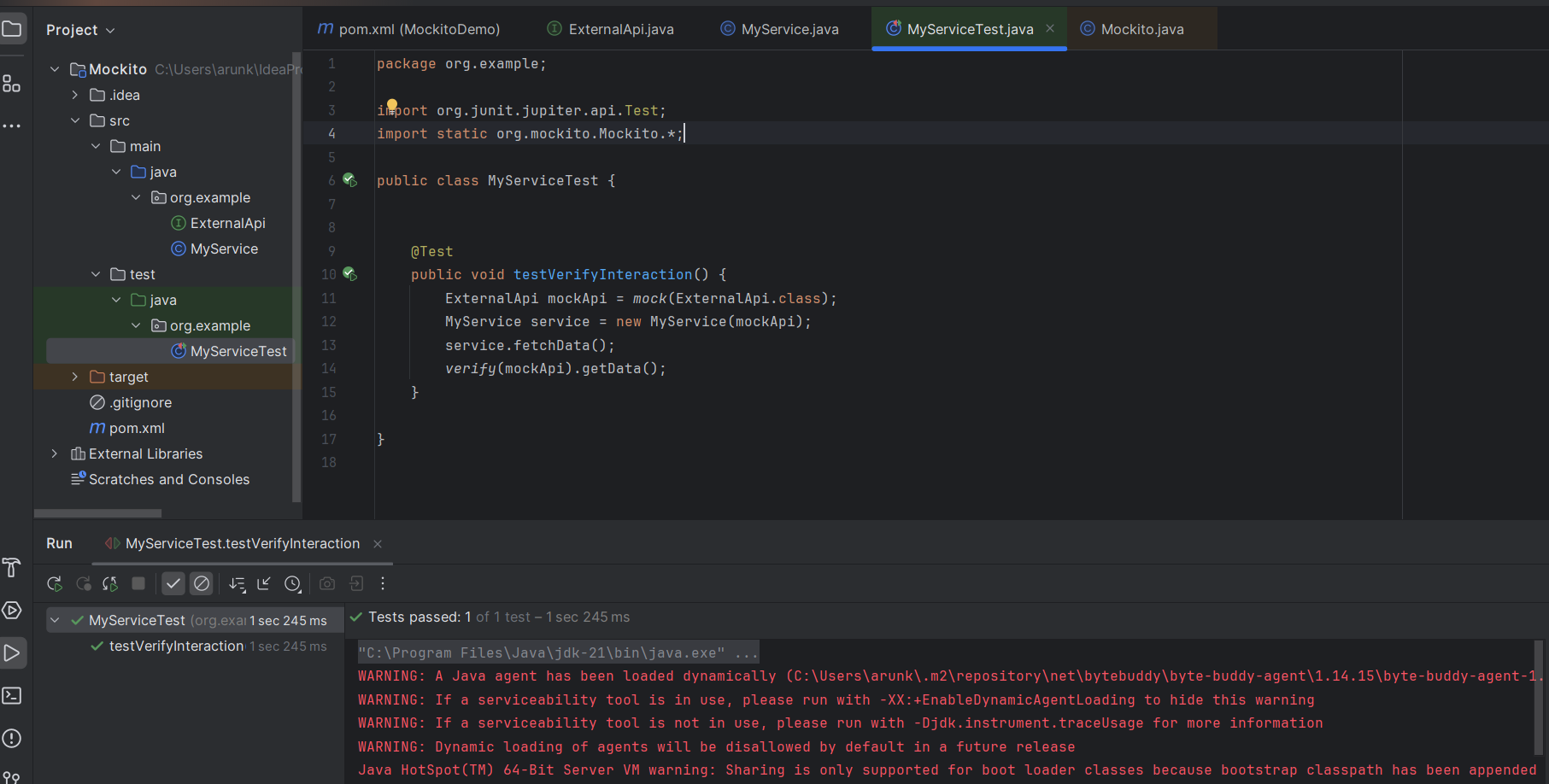
package org.example.MockitoExercises;  
  
  
public class MyService {  
 private ExternalApi api;  
  
 public MyService(ExternalApi api) {  
 this.api = api;  
 }  
  
 public String fetchData() {  
 return api.getData();  
 }  
}

**MyServiceTest.java**

package MyServiceTest;  
  
import org.example.MockitoExercises.ExternalApi;  
import org.example.MockitoExercises.MyService;  
import org.junit.Test;  
  
import static org.junit.Assert.*assertEquals*;  
import static org.mockito.Mockito.*mock*;  
import static org.mockito.Mockito.*when*;  
  
public class MyServiceTest {  
 @Test  
 public void testExternalApi() {  
 ExternalApi mockApi = *mock*(ExternalApi.class);  
  
 *when*(mockApi.getData()).thenReturn("Mock Data");  
  
 MyService service = new MyService(mockApi);  
 String result = service.fetchData();  
  
 *assertEquals*("Mock Data", result);  
 }  
}

**OUTPUT:**

****

****