**Exercise 2: Verifying Interaction**

**ExternalApi.java**

public interface ExternalApi {  
 String getData();  
}

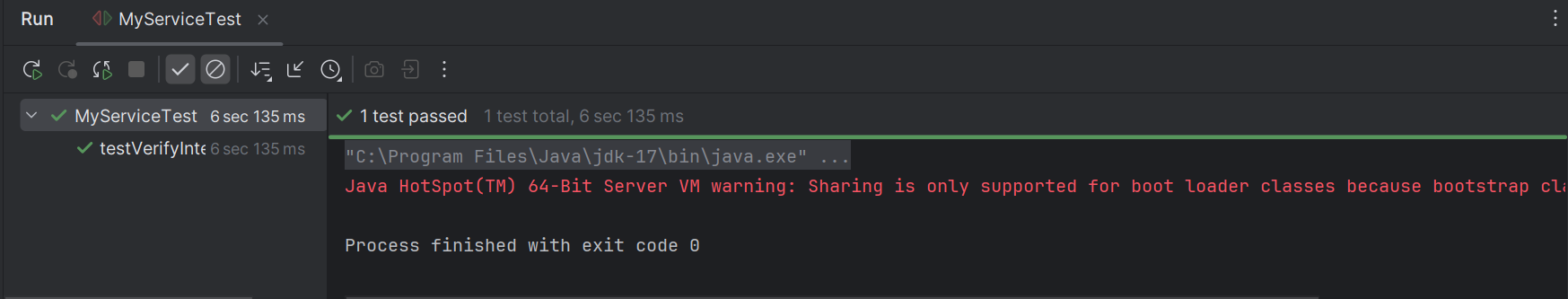
**MyService.java**

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

**MyServiceTest.java**

import org.example.\*;  
import static org.mockito.Mockito.\*;  
import org.junit.jupiter.api.Test;  
import org.mockito.Mockito;  
import static org.junit.jupiter.api.Assertions.\*;  
  
public class MyServiceTest {  
  
 @Test  
 public void testVerifyInteraction() {  
 // Step 1: Create a mock  
 ExternalApi mockApi = Mockito.*mock*(ExternalApi.class);  
  
 // Step 2: Inject mock into service  
 MyService service = new MyService(mockApi);  
  
 // Step 3: Call the method under test  
 service.fetchData();  
  
 // Step 4: Verify that the external API's getData() method was called  
 *verify*(mockApi).getData();  
 }  
}

**Output;**

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