Exercise 2 – Verifying Interactions

Steps:  
1. Create a mock object.  
2. Call the method with specific arguments.  
3. Verify the interaction.

Code:

import static org.mockito.Mockito.\*;  
import static org.junit.jupiter.api.Assertions.\*;  
import org.junit.jupiter.api.Test;  
import org.mockito.Mockito;  
  
// External API interface  
interface ExternalApi {  
 String getData();  
}  
  
// Service using the API  
class MyService {  
 private final ExternalApi api;  
 public MyService(ExternalApi api) { this.api = api; }  
 public String fetchData() { return api.getData(); }  
}  
  
// Test class  
public class MyServiceTestVerify {  
 @Test  
 public void testVerifyInteraction() {  
 ExternalApi mockApi = Mockito.mock(ExternalApi.class);  
 MyService service = new MyService(mockApi);  
 service.fetchData();  
 verify(mockApi).getData();  
 }  
}

Expected Output:  
Test passes if getData() is called exactly once.