## Mockito Hands-On Exercises

## 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:

```
package mockito.mockito;
import static org.mockito.Mockito.*;
import org.junit.jupiter.api.Test;
public class MyServiceTest {
    @Test
    public void testVerifyInteraction() {
        // Step 1: Create mock
        ExternalApi mockApi = mock(ExternalApi.class);
        // Step 2: Use mock in service
        MyService service = new MyService(mockApi);
        // Step 3: Call method
        service.fetchData();
        // Step 4: Verify interaction
        verify(mockApi).getData();
}
```

```
MyService.java
Package Explorer  JUnit ×
                  package mockito.mockito;
Finished after 2 148 seconds
                                                    3⊖ import static org.mockito.Mockito.*;
 Runs: 1/1

■ Frrors: 0

■ Failures: 0

                                                      import org.junit.jupiter.api.Test;
                                                      public class MyServiceTest {
> MyServiceTest [Runner: JUnit 5] (1.947 s)
                                                          public void testVerifyInteraction() {
                                                              // Step 1: Create mock
                                                             ExternalApi mockApi = mock(ExternalApi.class);
                                                              // Step 2: Use mock in service
                                                             MyService service = new MyService(mockApi);
                                                             // Step 3: Call method
                                                             service.fetchData();
                                                             // Step 4: Verify interaction
                                                             verify(mockApi).getData();
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Failure Trace
```