

# HANDSON 12 : Verifying Interactions

## UNDERSTANDING FROM THIS :

- We are not checking what a method returns...
- We are checking if a method was actually called — and called with the correct arguments (or no arguments).
- This is useful when we care more about the interaction between objects rather than the return value.

### Break out this code :

```
ExternalApi mockApi = Mockito.mock(ExternalApi.class);  
MyService service = new MyService(mockApi);  
service.fetchData();  
verify(mockApi).getData();
```

- creating a mock object of ExternalApi — it won't do anything real, but it *records everything* you do to it.
- Here not doing assertEquals(...).  
Instead, it is saying:
- “I wanna make sure that when I call fetchData() on MyService, it calls getData() on the API.”
- This checks the *behavior*, not the outcome.

- `verify(...)` is the star here
- `verify(mockApi).getData();`

## Why is this useful in the real world?

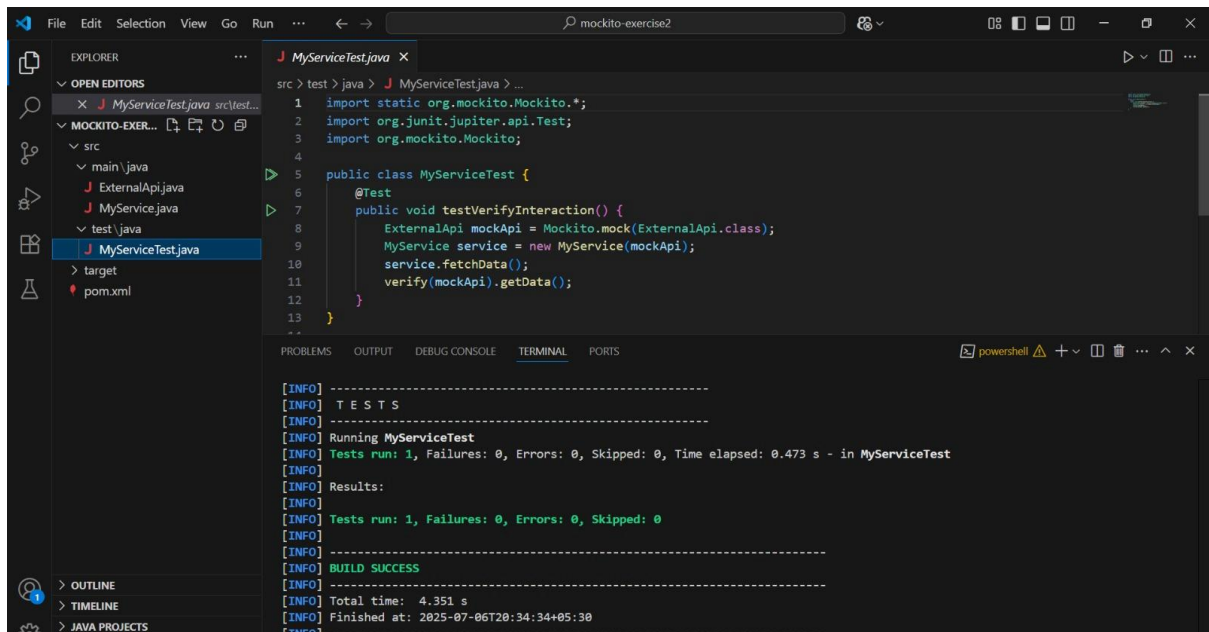
Let's say your method is supposed to:

- Send an email,
- Write to a database,
- Call an external service...

You don't care *what it returns* — you care if it actually **did the thing**.

You can use `verify(...)` to **confirm that happened**.

## SNAPSHOTS :



The screenshot shows an IDE window titled "mockito-exercise2". The Explorer on the left shows a project structure with "MyServiceTest.java" selected. The main editor displays the following Java code:

```
src > test > java > J MyServiceTest.java > ...
1 import static org.mockito.Mockito.*;
2 import org.junit.jupiter.api.Test;
3 import org.mockito.Mockito;
4
5 public class MyServiceTest {
6     @Test
7     public void testVerifyInteraction() {
8         ExternalApi mockApi = Mockito.mock(ExternalApi.class);
9         MyService service = new MyService(mockApi);
10        service.fetchData();
11        verify(mockApi).getData();
12    }
13 }
...
```

The bottom panel shows the "TERMINAL" output:

```
[INFO] -----
[INFO] T E S T S
[INFO] -----
[INFO] Running MyServiceTest
[INFO] Tests run: 1, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 0.473 s - in MyServiceTest
[INFO] Results:
[INFO] Tests run: 1, Failures: 0, Errors: 0, Skipped: 0
[INFO] BUILD SUCCESS
[INFO] Total time: 4.351 s
[INFO] Finished at: 2025-07-06T20:34:34+05:30
[INFO] -----
```