Verifying:

Code:

   1. mockup2\src\main\java\com\example\ExternalApi.java:

```java
package com.example;

public interface ExternalApi {
    String getData();
    String getDataWithParam(String param); // New method for
verification exercise
}
```

   2. mockup2\src\main\java\com\example\MyService.java:

```java
package com.example;

public class MyService {
    private final ExternalApi externalApi;

    public MyService(ExternalApi externalApi) {
        this.externalApi = externalApi;
    }

    public String fetchData() {
        return externalApi.getData();
    }

    // New method for verification exercise
    public String fetchDataWithParam(String param) {
        return externalApi.getDataWithParam(param);
    }
}
```

   3. mockup2\test\main\java\com\example\MyServiceTest.java:

```java
package com.example;

import static org.junit.jupiter.api.Assertions.assertEquals;
import static org.mockito.Mockito.*;

import org.junit.jupiter.api.Test;
import org.junit.jupiter.api.extension.ExtendWith;
import org.mockito.InjectMocks;
import org.mockito.Mock;
import org.mockito.junit.jupiter.MockitoExtension;

@ExtendWith(MockitoExtension.class)
public class MyServiceTest {

    @Mock
    private ExternalApi mockApi;

    @InjectMocks
    private MyService service;

    @Test
    public void testVerifyInteraction() {
        when(mockApi.getDataWithParam("test123")).thenReturn("Mock Response");

        String result = service.fetchDataWithParam("test123");

        verify(mockApi).getDataWithParam("test123");

        assertEquals("Mock Response", result);
    }


    @Test
    public void testExternalApi() {
        when(mockApi.getData()).thenReturn("Mock Data");
        assertEquals("Mock Data", service.fetchData());
        verify(mockApi).getData();
    }
```

```
}
```

Output:

```
[INFO]
[INFO] -------------------------------------------------------
[INFO]  T E S T S
[INFO] -------------------------------------------------------
[INFO] Running com.example.MyServiceTest
[INFO] Tests run: 2, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 0.586 s - in com.example.MyServiceTest
[INFO]
[INFO] Results:
[INFO]
[INFO] Tests run: 2, Failures: 0, Errors: 0, Skipped: 0
[INFO]
[INFO] --------------------------------------------------------------
[INFO] BUILD SUCCESS
```