

Pom.xml

```
<project xmlns="http://maven.apache.org/POM/4.0.0"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://maven.apache.org/POM/4.0.0
    https://maven.apache.org/xsd/maven-4.0.0.xsd">
```

```
<modelVersion>4.0.0</modelVersion>
```

```
<groupId>com.deep.skilling</groupId>
```

```
<artifactId>mockito</artifactId>
```

```
<version>0.0.1-SNAPSHOT</version>
```

```
<properties>
```

```
  <maven.compiler.source>17</maven.compiler.source>
```

```
  <maven.compiler.target>17</maven.compiler.target>
```

```
</properties>
```

```
<dependencies>
```

```
  <!-- JUnit 5 -->
```

```
  <dependency>
```

```
    <groupId>org.junit.jupiter</groupId>
```

```
    <artifactId>junit-jupiter</artifactId>
```

```
    <version>5.10.0</version>
```

```
    <scope>test</scope>
```

```
  </dependency>
```

```
  <!-- Mockito Core -->
```

```
  <dependency>
```

```
<groupId>org.mockito</groupId>
<artifactId>mockito-core</artifactId>
<version>5.11.0</version>
<scope>test</scope>
</dependency>
</dependencies>

<build>
<plugins>
<plugin>
<artifactId>maven-surefire-plugin</artifactId>
<version>3.0.0</version>
</plugin>
</plugins>
</build>

</project>
```

Externalapi.java

```
package com.deep.skilling.mockito;
```

```
public interface ExternalApi {
    String getData();
}
```

Myervice.java

```
package com.deep.skilling.mockito;
```

```
public class MyService {
```

```
private ExternalApi api;

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

public void fetchData() {
    api.getData(); // Just call it, no need to return anything for this exercise
}
}
```

MyserVICetest.java

```
package com.deep.skilling.mockito;

import static org.mockito.Mockito.*;

import org.junit.jupiter.api.Test;
import org.mockito.Mockito;

public class MyServiceTest {

    @Test
    public void testVerifyInteraction() {
        // Step 1: Create a mock object
        ExternalApi mockApi = Mockito.mock(ExternalApi.class);

        // Step 2: Use the mock in service
        MyService service = new MyService(mockApi);
```

```
service.fetchData(); // This should call mockApi.getData()
```

```
// Step 3: Verify the interaction
```

```
verify(mockApi).getData(); // Check if getData() was called exactly once
```

```
}
```

```
}
```