**Mockito Hands-On Exercises**

## **Exercise 1: Mocking and Stubbing**

**api.java :**

package mock;

public interface api {

String get();

}

**MainTest.java:**

## package mock;

## import static org.junit.jupiter.api.Assertions.\*;

## import static org.mockito.Mockito.\*;

## import org.junit.jupiter.api.Test;

## public class MainTest{

## @Test

## public void testApiCall() {

## api api1 = *mock*(api.class);

## *when*(api1.get()).thenReturn("Mock");

## String result = api1.get();

## *assertEquals*("Mock", result);

## }

## }

## **Output:**

## 

## **Exercise 2: Verifying Interactions**

**api.java:**

package mock1;

public interface api {

String get();

}

**use.java:**

package mock1;

public class use {

private api api1;

public use(api api1) {

this.api1 = api1;

}

public String call() {

return api1.get();

}

}

**TestClass.java :**

package mock1;

import static org.mockito.Mockito.\*;

import org.junit.jupiter.api.Test;

public class TestClass {

@Test

public void testGetCalledOnce() {

api mockApi = *mock*(api.class);

use useApi = new use(mockApi);

useApi.call();

*verify*(mockApi).get();

}

}

## **Output:**

