**WEEK-2**

**Exercise 1: Mocking and Stubbing**

**1)** **Mocking and Stubbing:**

**CODE:**

**Dependencies:**

<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.example</groupId>

<artifactId>mavendemo</artifactId>

<version>0.0.1-SNAPSHOT</version>

<dependencies>

<dependency>

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

<artifactId>junit-jupiter</artifactId>

<version>5.10.0</version>

<scope>test</scope>

</dependency>

<dependency>

<groupId>org.mockito</groupId>

<artifactId>mockito-core</artifactId>

<version>5.11.0</version>

<scope>test</scope>

</dependency>

</dependencies>

</project>

**Test Class:**

package com.example;

public class Calculator {

public int add(int a, int b) {

return a + b;

}

}

import static org.mockito.Mockito.\*;

@Test

void testMock() {

UserRepository repo = mock(UserRepository.class);

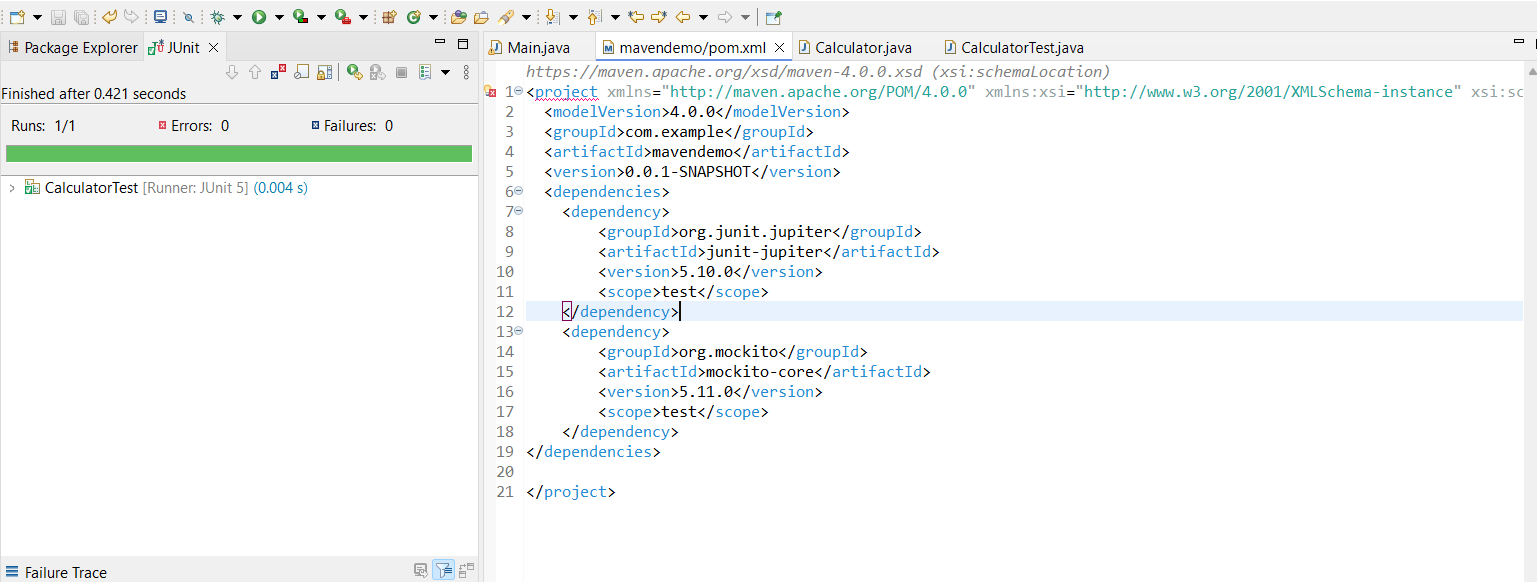
when(repo.findUserById(101)).thenReturn("Dudoo");

UserService service = new UserService(repo);

assertEquals("Dudoo", service.getUserName(101));

}

**OUTPUT:**

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