**WEEK-2**

**MODULE-4**

**MOCKITO EXERCISES**

**SUPERSET ID:6407550**

**Exercise 5: Mocking and Stubbing with Multiple Returns**

**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.example</groupId>

<artifactId>JUnitDemo</artifactId>

<version>0.0.1-SNAPSHOT</version>

<dependencies>

<!-- JUnit 4 -->

<dependency>

<groupId>junit</groupId>

<artifactId>junit</artifactId>

<version>4.13.2</version>

<scope>test</scope>

</dependency>

<!-- Mockito -->

<dependency>

<groupId>org.mockito</groupId>

<artifactId>mockito-core</artifactId>

<version>4.11.0</version>

<scope>test</scope>

</dependency>

</dependencies>

<build>

<plugins>

<plugin>

<groupId>org.apache.maven.plugins</groupId>

<artifactId>maven-compiler-plugin</artifactId>

<version>3.8.1</version>

<configuration>

<source>1.8</source>

<target>1.8</target>

</configuration>

</plugin>

</plugins>

</build>

</project>

**src/main/java**

**QuoteApi.java**

package com.example;

public interface QuoteApi {

String getQuoteOfTheDay();

}

**QuoteService.java**

package com.example;

public class QuoteService {

private QuoteApi api;

public QuoteService(QuoteApi api) {

this.api = api;

}

public String fetchQuotesTwice() {

String first = api.getQuoteOfTheDay();

String second = api.getQuoteOfTheDay();

return first + " | " + second;

}

}

**src/test/java**

**QuoteServiceTest.java**

package com.example;

import static org.mockito.Mockito.\*;

import static org.junit.Assert.\*;

import org.junit.Test;

public class QuoteServiceTest {

@Test

public void testMultipleReturns() {

// Create mock

QuoteApi mockApi = mock(QuoteApi.class);

// Stub method to return different values on each call

when(mockApi.getQuoteOfTheDay())

.thenReturn("Stay positive")

.thenReturn("Work hard");

// Inject and call

QuoteService service = new QuoteService(mockApi);

String result = service.fetchQuotesTwice();

// Assert combined output

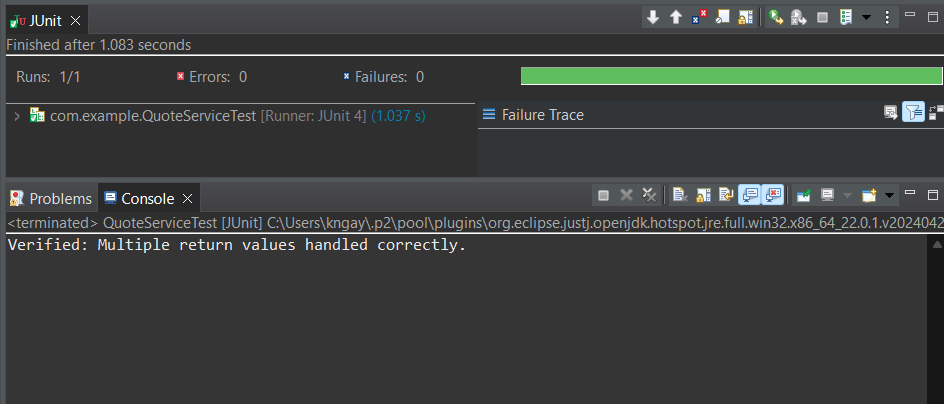
assertEquals("Stay positive | Work hard", result);

System.out.println("Verified: Multiple return values handled correctly.");

}

}

**OUTPUT:**

****