**UserAuthentication**

**Source code**

//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 http://maven.apache.org/xsd/maven-4.0.0.xsd">

<modelVersion>4.0.0</modelVersion>

<groupId>com.demo</groupId>

<artifactId>HandlingUserAuthentication</artifactId>

<version>0.0.1-SNAPSHOT</version>

<packaging>jar</packaging>

<name>HandlingUserAuthentication</name>

<url>http://maven.apache.org</url>

<properties>

<project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>

</properties>

<dependencies>

<dependency>

<groupId>junit</groupId>

<artifactId>junit</artifactId>

<version>3.8.1</version>

<scope>test</scope>

</dependency>

<!-- https://mvnrepository.com/artifact/org.junit.jupiter/junit-jupiter-api -->

<dependency>

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

<artifactId>junit-jupiter-api</artifactId>

<version>5.9.0</version>

<scope>test</scope>

</dependency>

</dependencies>

<build>

<plugins>

<plugin>

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

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

<version>3.10.1</version>

<configuration>

<source>1.8</source>

<target>1.8</target>

</configuration>

</plugin>

</plugins>

</build>

</project>

//App.java

package com.demo;

/\*\*

\* Hello world!

\*

\*/

public class App

{

public static void main( String[] args )

{

System.***out***.println( "Hello World!" );

}

}

//UserAuthentication.java

package com.PracticeProject;

public class UserAuthentication {

public String getUserName() {

return "Harshini";

}

public String getEmail() {

return "harshini@gmail.com";

}

public int getPhnNum() {

return 1234567490;

}

public String getPassword() {

return "H@123";

}

}

//AppTest

package com.demo;

import junit.framework.Test;

import junit.framework.TestCase;

import junit.framework.TestSuite;

/\*\*

\* Unit test for simple App.

\*/

public class AppTest

extends TestCase

{

/\*\*

\* Create the test case

\*

\* @param testName name of the test case

\*/

public AppTest( String testName )

{

super( testName );

}

/\*\*

\* @return the suite of tests being tested

\*/

public static Test suite()

{

return new TestSuite( AppTest.class );

}

/\*\*

\* Rigourous Test :-)

\*/

public void testApp()

{

assertTrue( true );

}

}

//UserAuthenticationTest

package com.demo;

import static org.junit.jupiter.api.Assertions.assertEquals;

import org.junit.jupiter.api.AfterEach;

import org.junit.jupiter.api.BeforeEach;

import org.junit.jupiter.api.Test;

class UserAuthenticationTest {

private UserAuthentication userA;

@BeforeEach

public void setup() {

userA=new UserAuthentication();

System.out.println("Object initialized");

}

@Test

public void verifyUserName() {

assertEquals(userA.getUserName(), "Harshini");

}

@Test

public void verifyEmail() {

assertEquals(userA.getEmail(), "harshini@gmail.com");

}

@Test

public void verifyPhnNum() {

assertEquals(userA.getPhnNum(), 1234567490);

}

@Test

public void verifyPassword() {

assertEquals(userA.getPassword(), "H@123");

}

@AfterEach

public void tearDown() {

userA=null;

System.out.println("Object destroyed");

}

}