## com.bean

package com.bean;

public class Users {

private int id; private String name; private float salary;

public int getId() {

return id;

}

public void setId(int id) { this.id = id;

}

public String getName() { return name;

}

public void setName(String name) { this.name = name;

}

public float getSalary() { return salary;

}

public void setSalary(float salary) { this.salary = salary;

}

*@Override*

public String toString() {

return "Employee [id=" + id + ", name=" + name + ", salary=" +

salary + "]";

}

**}**

**Service package:**

package service;

import java.util.ArrayList;

import java.util.List;

import com.bean.Users;

public class Service {

public String checkUser(String emailid,String password) { if(emailid.equals(["ab](mailto:abc@gmail.com)c[@gmail.com](mailto:abc@gmail.com)") && password.equals("123")) {

return "success";

}else {

return "failure";

}

}

public Users getEmployee() { Users usr=new Users(); usr.setId(100); usr.setName("ABC"); usr.setSalary(12000);

return usr;

}

public List<Users> listOfEmployee(){

List<Users> listOfEmp = new ArrayList<Users>(); Users usr1 = new Users(); usr1.setId(100);

usr1.setName("ABC"); usr1.setSalary(12000);

Users usr2 = new Users(); usr2.setId(200); usr2.setName("PQRS"); usr2.setSalary(14000); listOfEmp.add(usr1);

listOfEmp.add(usr2);

return listOfEmp;

}

public float passEmployeeObject(Users usr) {

return usr.getSalary()+500;

}

}

## Junit test

package test;

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

import java.util.List;

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

import com.bean.Users; import service.Service;

class ServiceTest {

@Test

@DisplayName("Check user details testing") void testCheckUser() {

}

@Test//fail("Not yet implemented"); Service es = new Service();

String result = es.checkUser("[abc@gmail.com](mailto:abc@gmail.com)", "123"); assertEquals("success", result);

String result1 = es.checkUser("[pqrs@gmail.com](mailto:pqrs@gmail.com)", "123"); assertEquals("failure", result1);

void testGetEmployee() {

//fail("Not yet implemented"); Service es = new Service(); Users usr = es.getEmployee(); assertNotNull(usr); assertEquals(100, usr.getId());

assertEquals("ABC", usr.getName()); assertEquals(12000, usr.getSalary());

}

@Test

void testListOfEmployee() {

//fail("Not yet implemented"); Service es = new Service();

List<Users> listOfEmp = es.listOfEmployee(); assertEquals(2, listOfEmp.size());

}

@Test

//@Disable(means it is not testing)this method void testPassEmployeeObject() {

Service es = new Service(); Users usr = new Users();

usr.setId(100); usr.setName("ABC"); usr.setSalary(12000);

float updatedSalary =es.passEmployeeObject(usr); assertEquals(12500, updatedSalary);

}

}

# 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>MyProject</groupId>

<artifactId>Junit5Project</artifactId>

<version>0.0.1-SNAPSHOT</version>

<properties>

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

<maven.compiler.source>1.8</maven.compiler.source>

<maven.compiler.target>1.8</maven.compiler.target>

</properties>

<dependencies>

<dependency>

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

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

<version>5.7.0</version>

<scope>test</scope>

</dependency>

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

<dependency>

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

<artifactId>junit-jupiter-params</artifactId>

<version>5.7.0</version>

<scope>test</scope>

</dependency>

<!-- https://mvnrepository.com/artifact/org.junit.vintage/junit-vintage-engine -->

<dependency>

<groupId>org.junit.vintage</groupId>

<artifactId>junit-vintage-engine</artifactId>

<version>5.7.0</version>

<scope>test</scope>

</dependency>

<!-- https://mvnrepository.com/artifact/org.junit.platform/junit-platform-runner -

->

<dependency>

<groupId>org.junit.platform</groupId>

<artifactId>junit-platform-runner</artifactId>

<version>1.8.2</version>

<scope>test</scope>

</dependency>

</dependencies>

</project>