SourceCode

Com.bean Package:

```java
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:

```java
package service;


import java.util.ArrayList;


import java.util.List;
```

```java
import com.bean.Users;

public class Service {
	public String checkUser(String emailid,String password) {
		if(emailid.equals("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);
```

```java
                    listOfEmp.add(usr2);


                    return listOfEmp;

        }

        public float passEmployeeObject(Users usr) {


                return usr.getSalary()+500;

        }

}
```

Junit test case:

```java
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() {
```

```java
        //fail("Not yet implemented");

        Service es = new Service();

        String result = es.checkUser("abc@gmail.com", "123");

        assertEquals("success", result);

        String result1 = es.checkUser("pqrs@gmail.com", "123");

        assertEquals("failure", result1);

}
@Test
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:

```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>
```

```xml
        <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>
```