Practical no 8
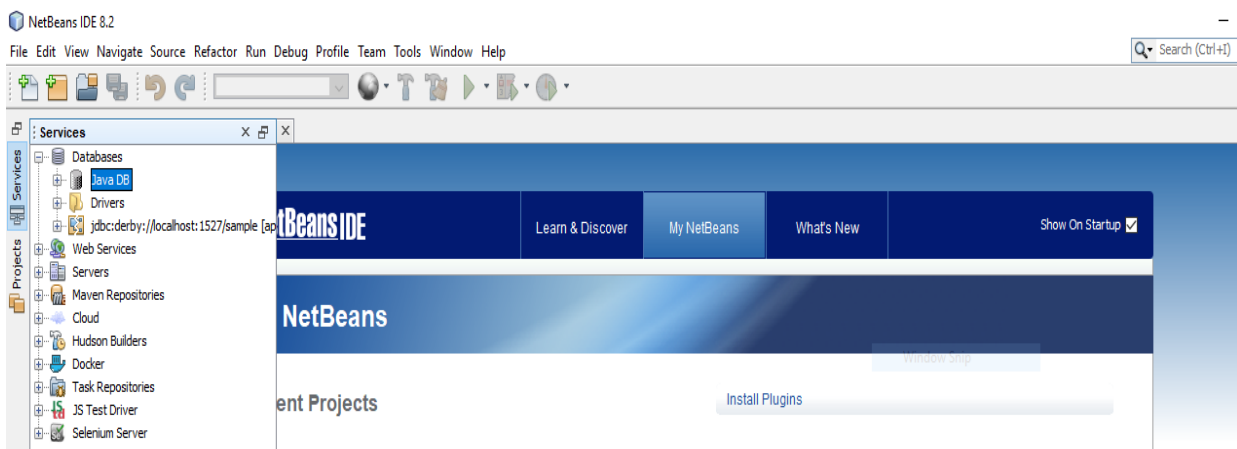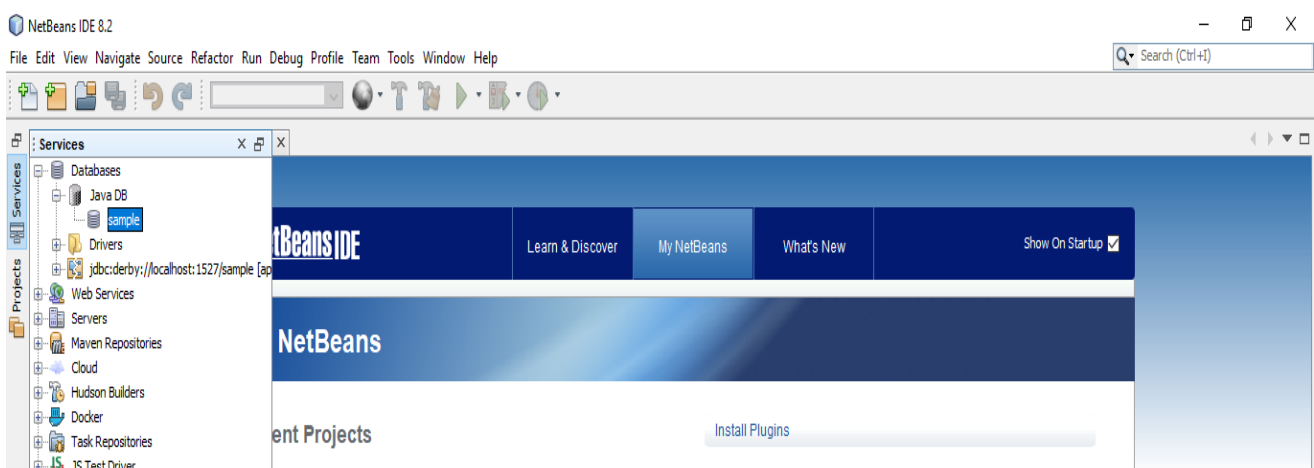
AIM: Define a RESTful web service that accepts the details to be stored in a database and performs CRUD operation**.**
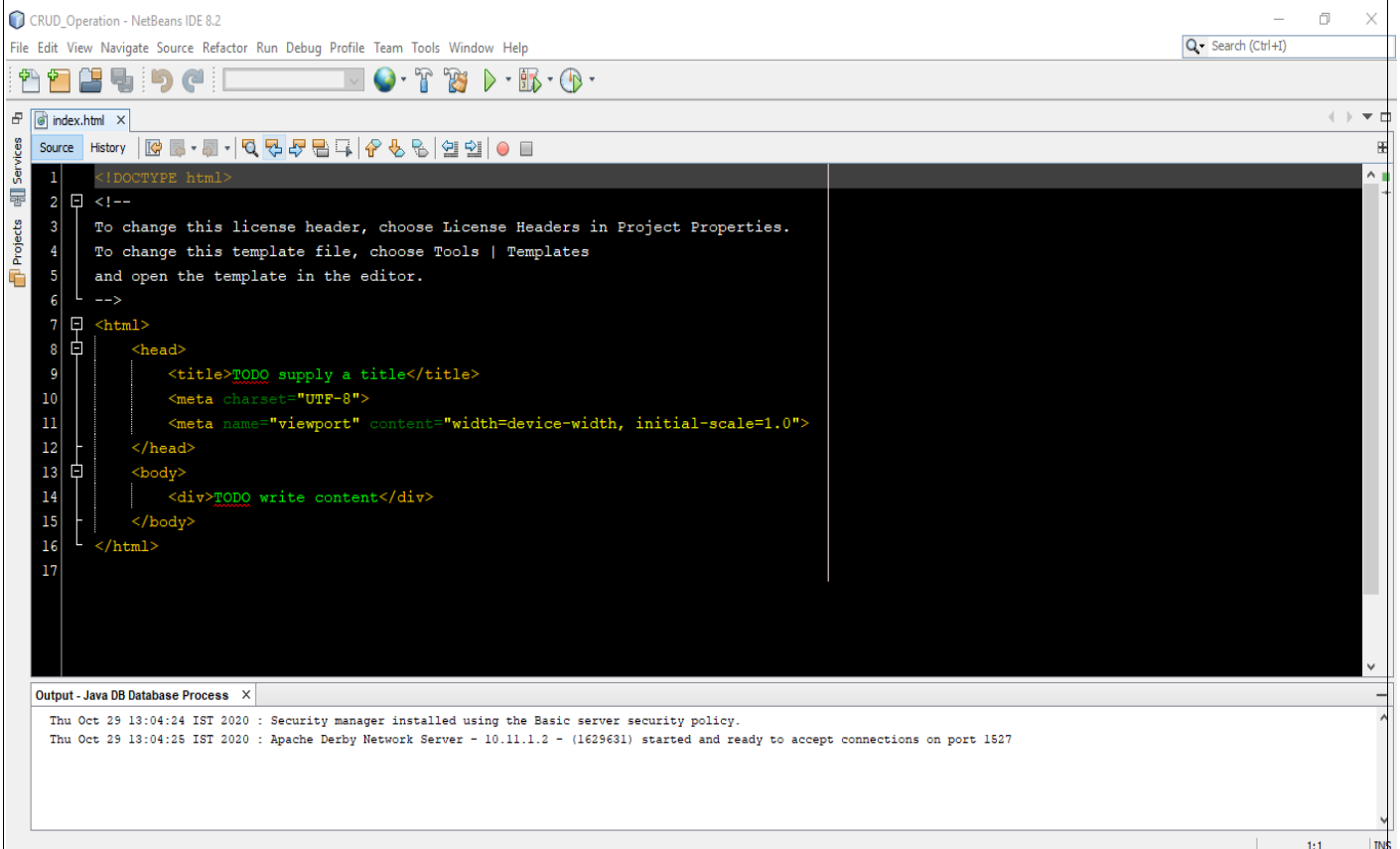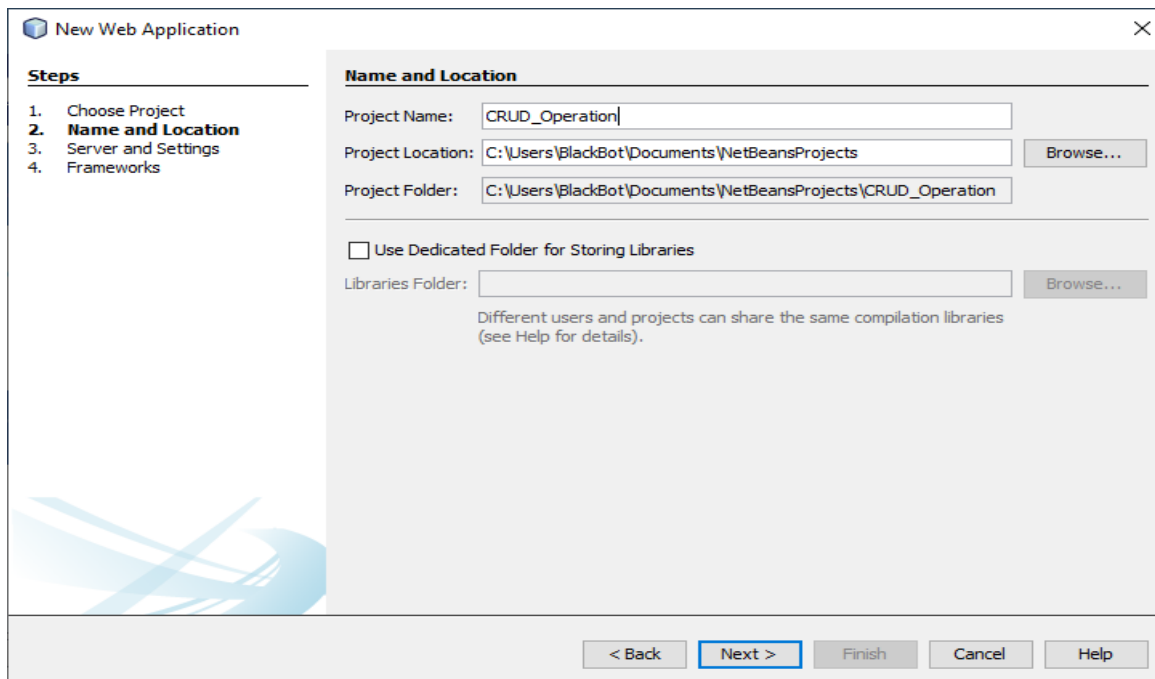
Steps :-
1) **Right click on Java DB** and then **click on Start Server** to start the server .
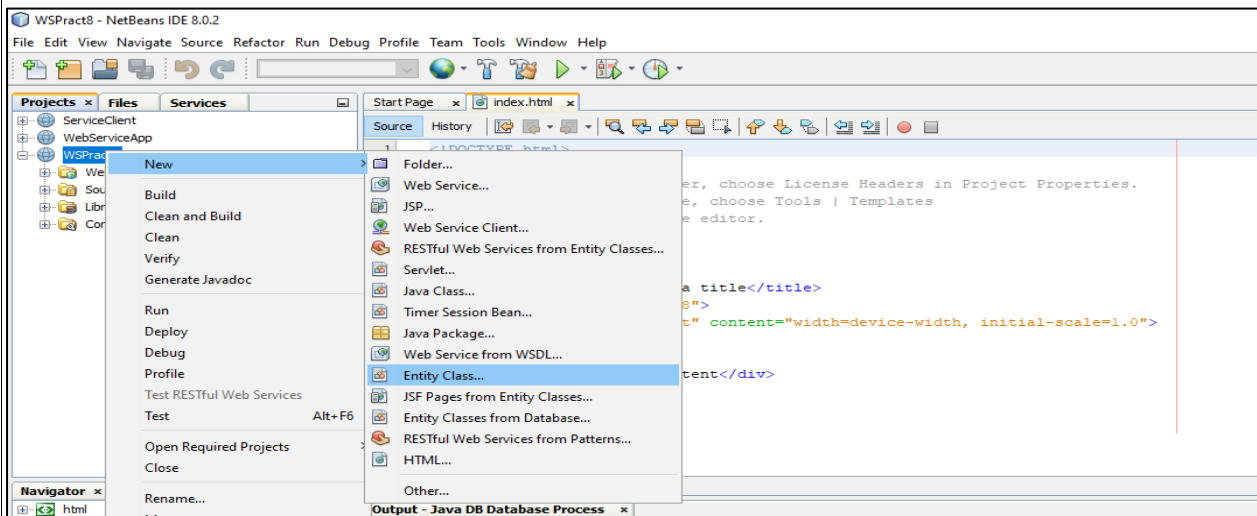

2) Now expand Java DB and **right click on sample** and then **click on connect** to connect the sample database with server.
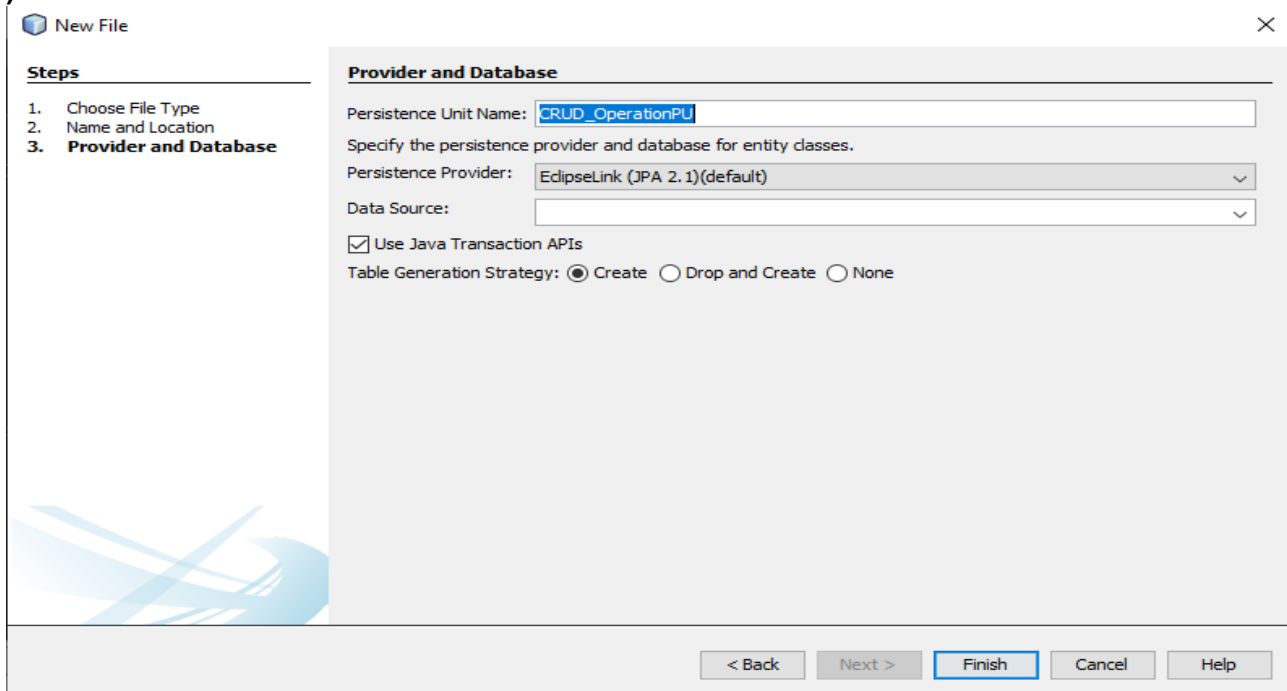
3) Now create a web application with the name **CRUD_Operation**. A window will open like following pic.
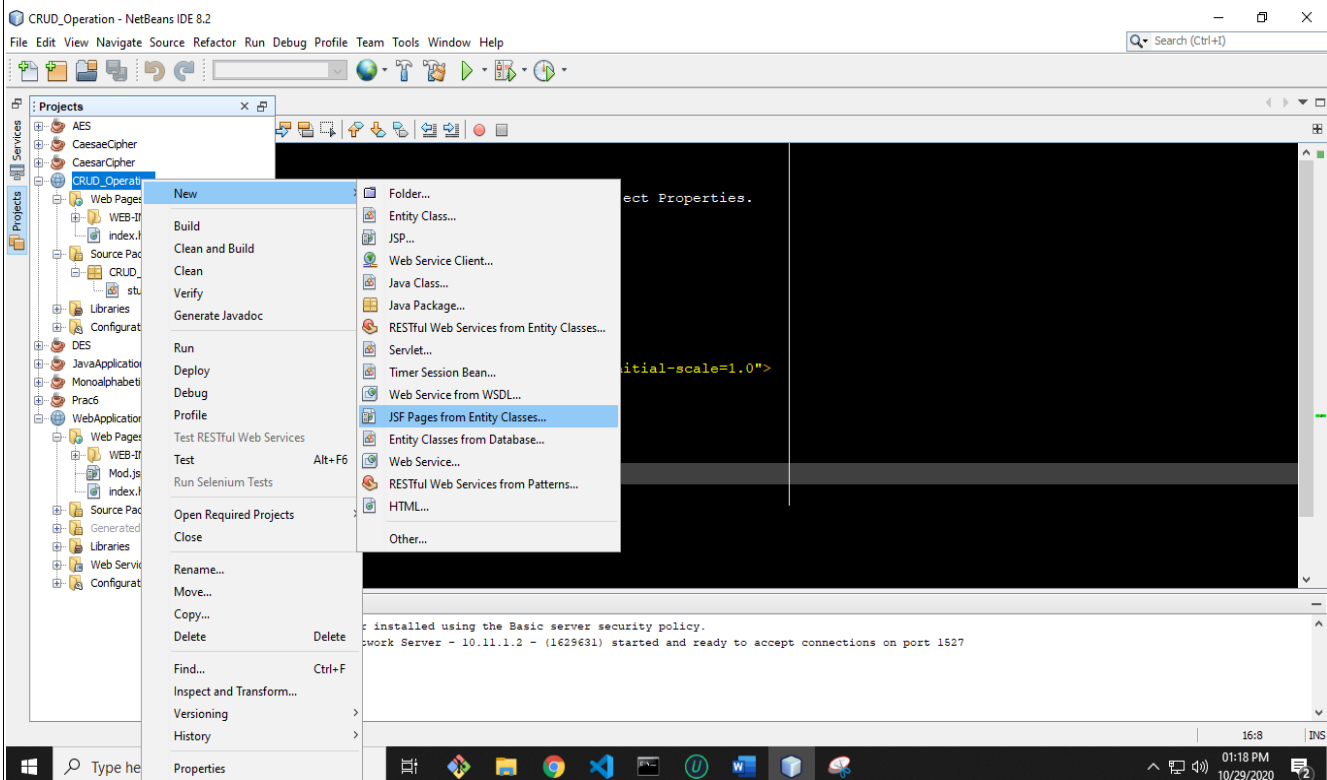
4) Create an entity class. **Right click on project name -> New -> Entity Class.**

5) A window will appear like bellow pic. Enter following data and click on Next
   Class Name : students
   Package name : CRUD_Operation

6) Click on Finish.

7) Right click on project name and create JSF Pages from Entity Classes.

Right click on project name -> New -> JSF Pages from Entity Classes

8) Select wspract8.students and **click on Add button and then Next button** on below.

New JSF Pages from Entity Classes   ✕

Steps

Entity Classes

1. Choose File Type
2. **Entity Classes**
3. Generate JSF Pages and Classes
4. JavaServer Faces Configuration

Available Entity Classes:

CRUD_Operation.students

Selected Entity Classes:

Add >
< Remove
Add All >>
<< Remove All

☑ Include Referenced Classes

⊗ Select entity classes.

< Back   Next >   Finish   Cancel   Help

New JSF Pages from Entity Classes   ✕

Steps

Entity Classes

1. Choose File Type
2. **Entity Classes**
3. Generate JSF Pages and Classes
4. JavaServer Faces Configuration

Available Entity Classes:

Selected Entity Classes:

CRUD_Operation.students

Add >
< Remove
Add All >>
<< Remove All

☑ Include Referenced Classes

< Back   Next >   Finish   Cancel   Help

9) A window like below will appear on the screen. **Enter the data into that window as entered in below pic** and **click on Next button**
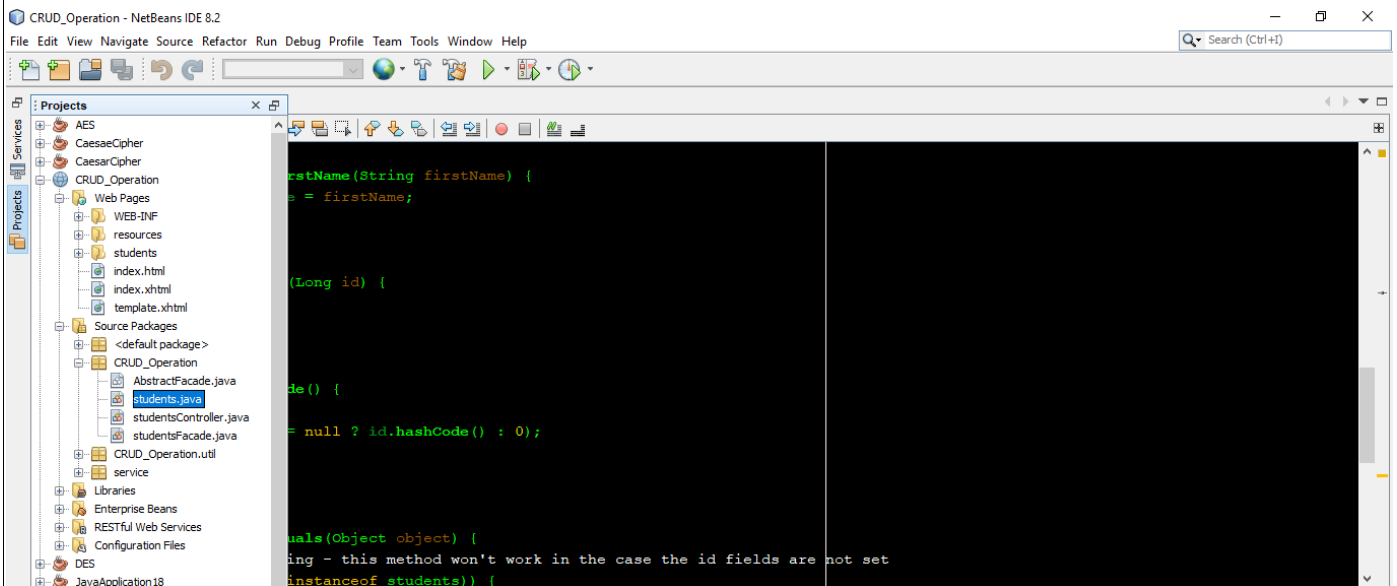

10) Now **click on Finish**

11) Right click on project name and create RESTful Web Services   from Entity Classes.

Right click on project name -> New -> RESTful Web Services from Entity Classes
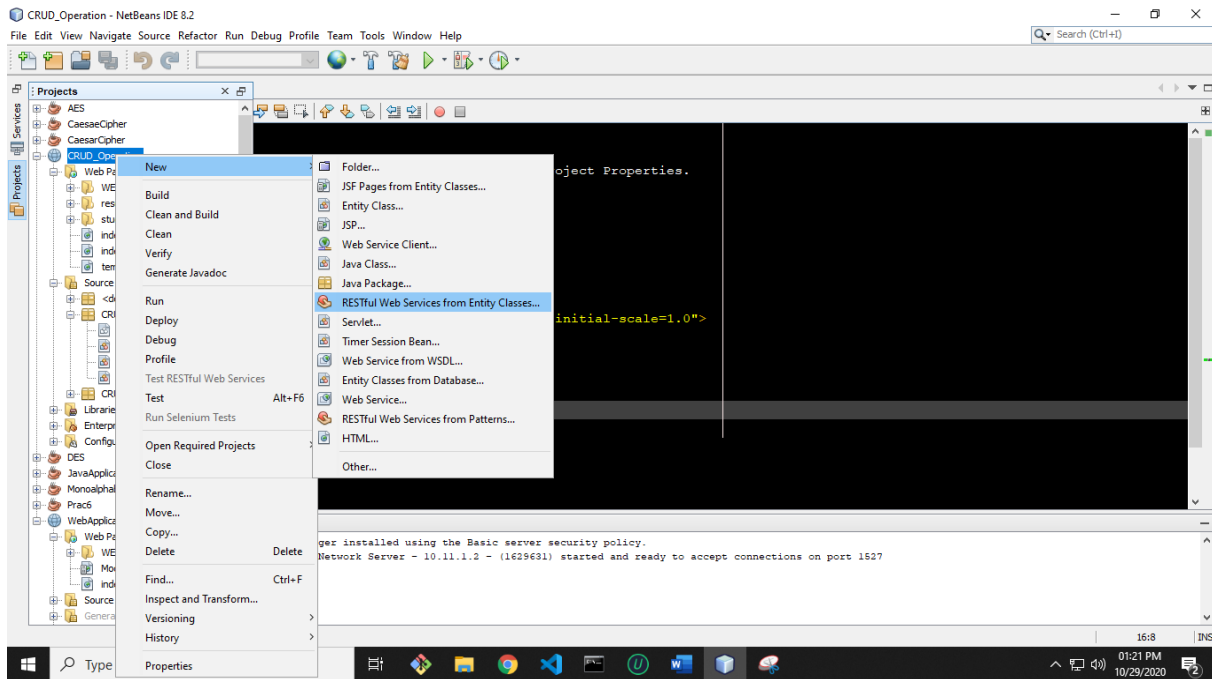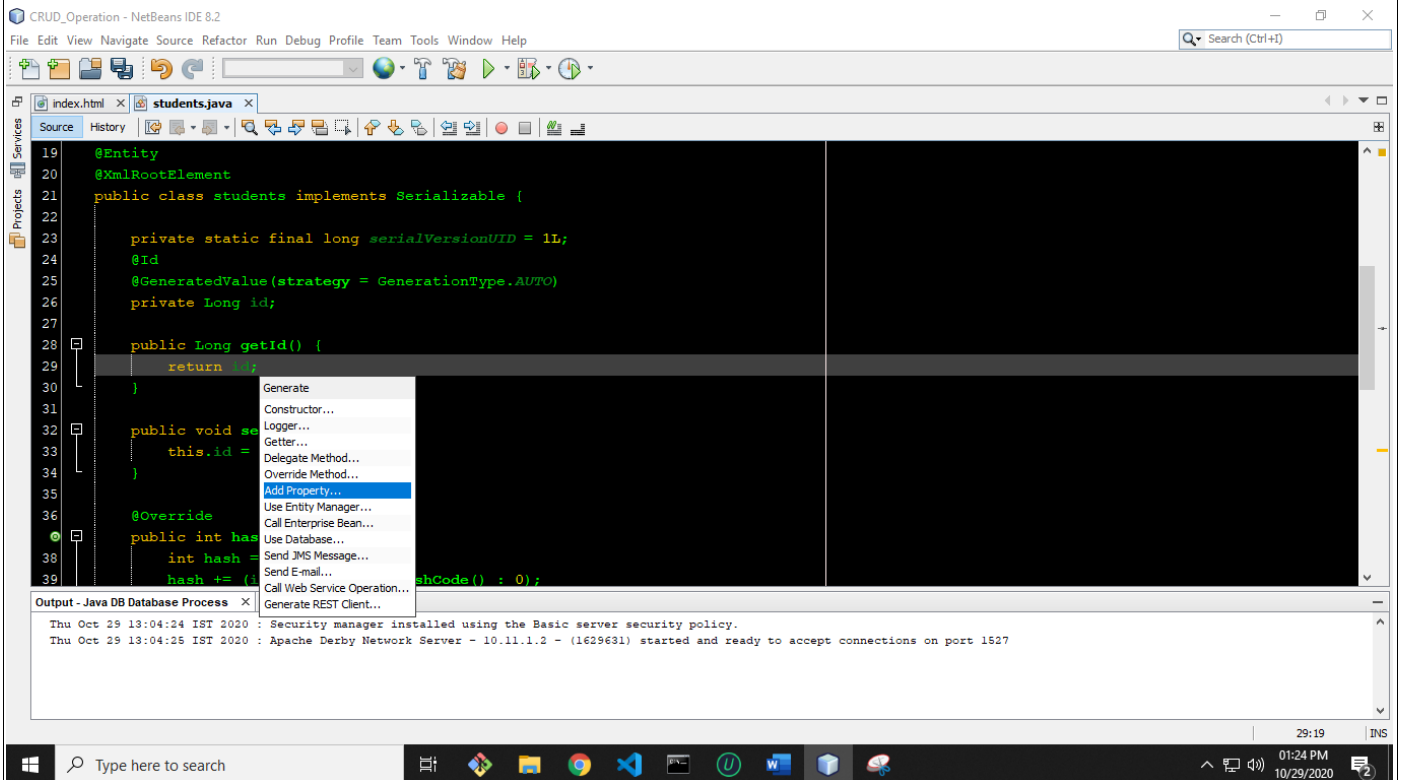

12) Repeat step 9 and then it will go on next page. Then **enter the service** in Resource Package and then **click on Finish button.**
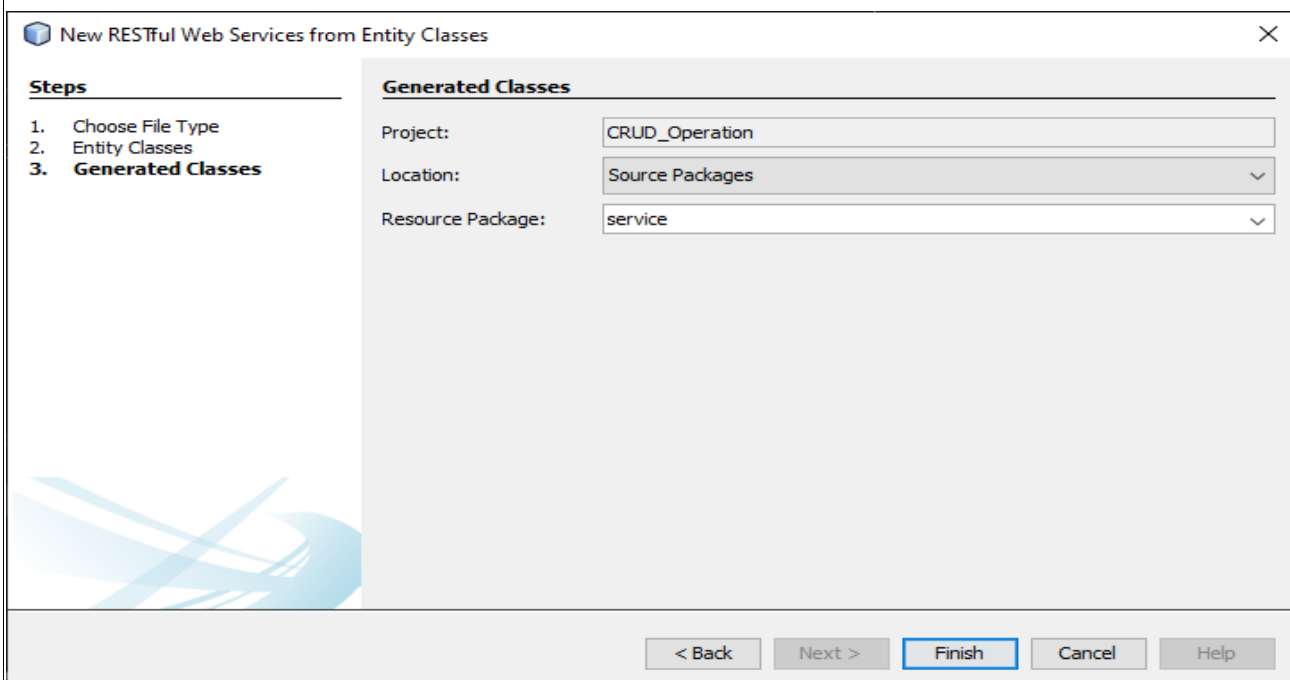
13) Now **open students.java file under wspract8 package.**

14) In this file **below line private Long id;** do the **right click and select Insert Code**.
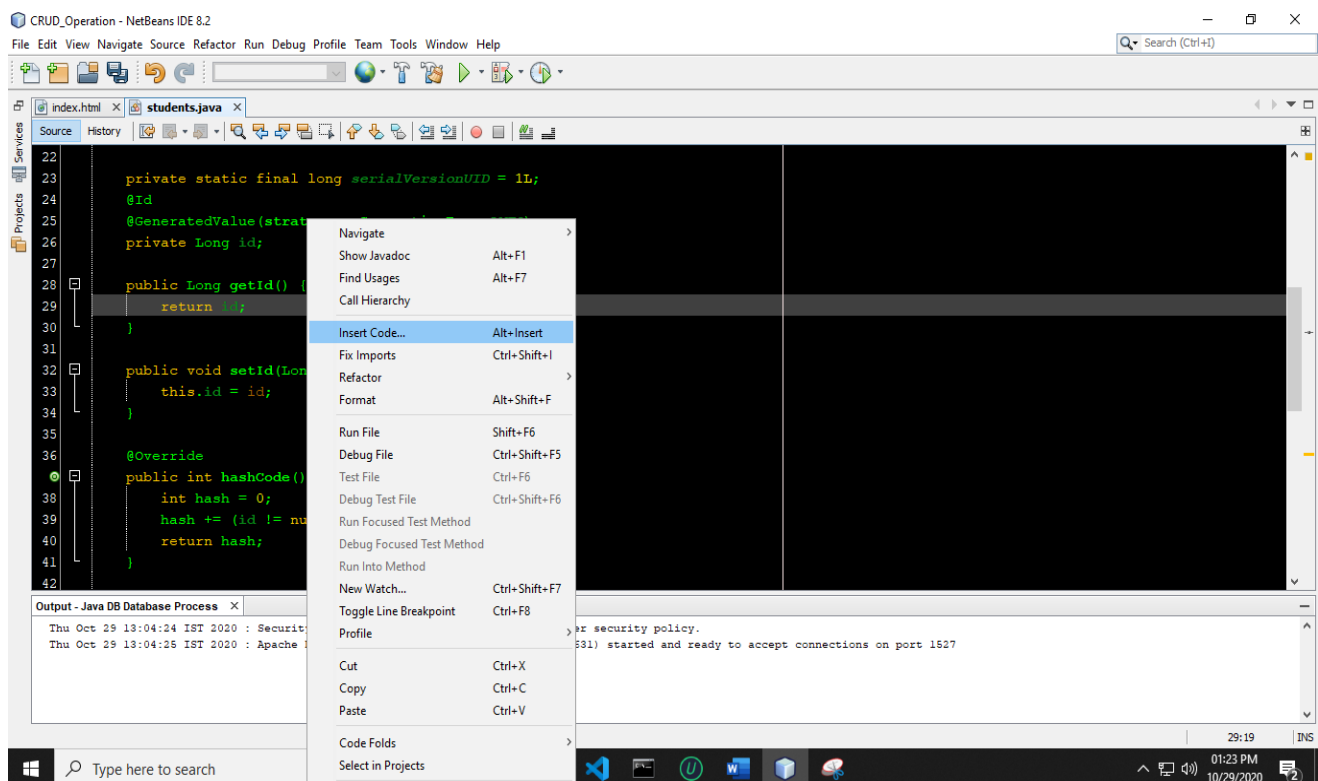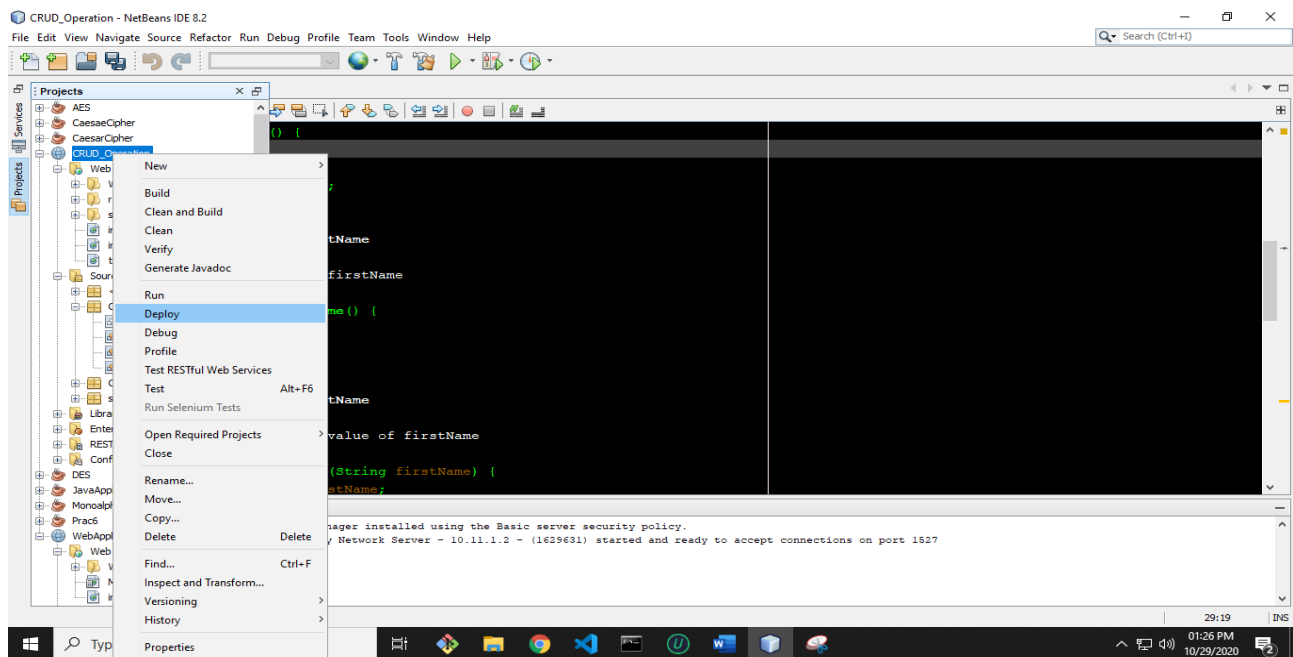
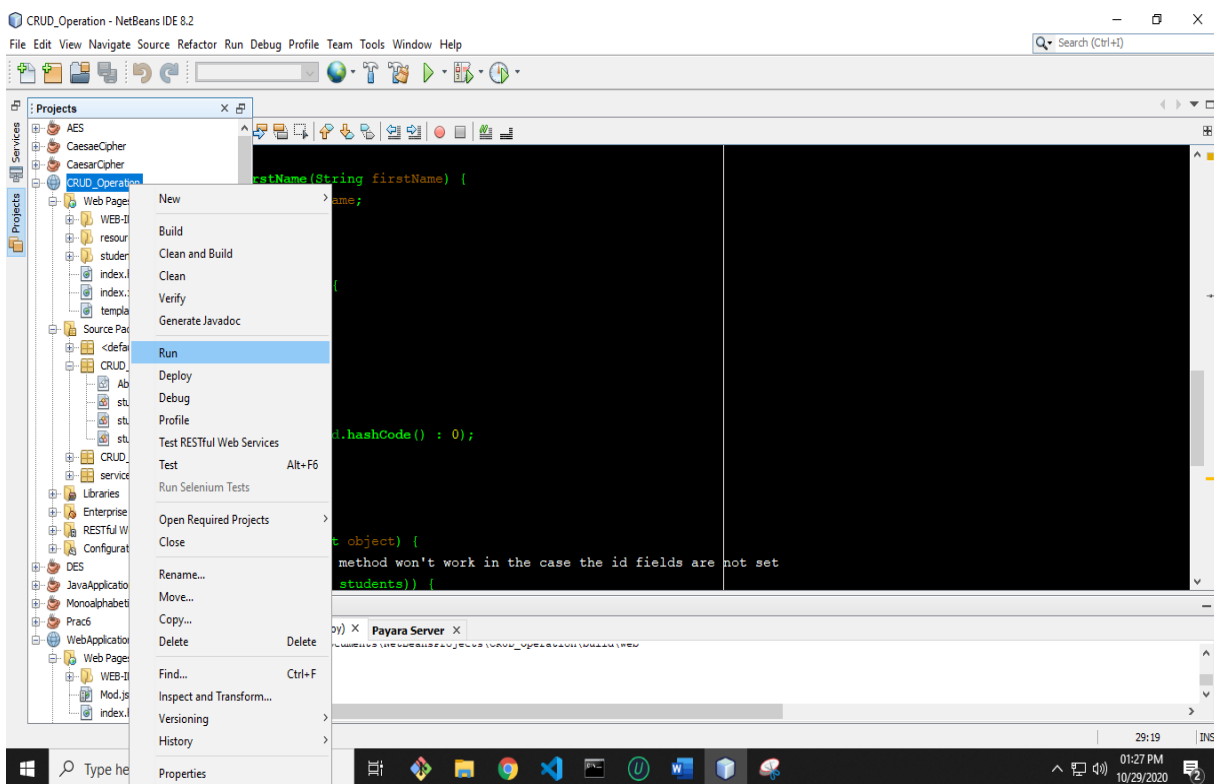**15)** A new list will appear. **Click on Add Property**.

16) A new window will open. Enter name as **firstName**. Make sure name should be exact same as of mine and then **click on OK button**. Actually we are setting getter and setter method for firstName.
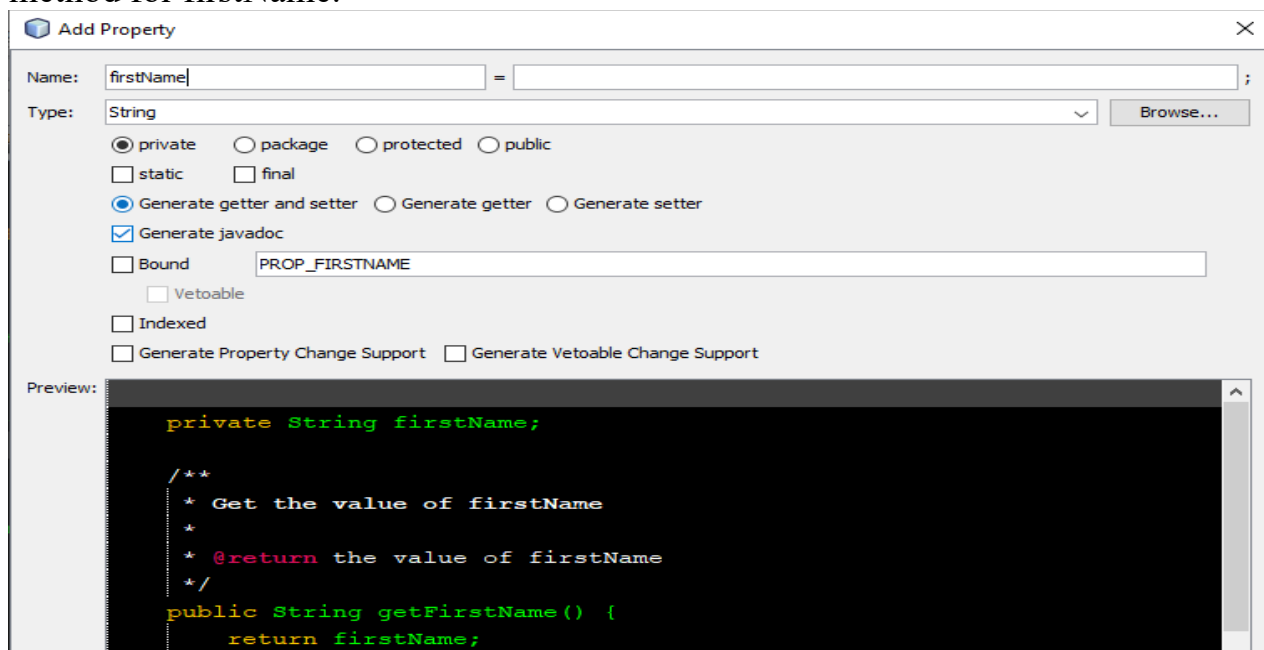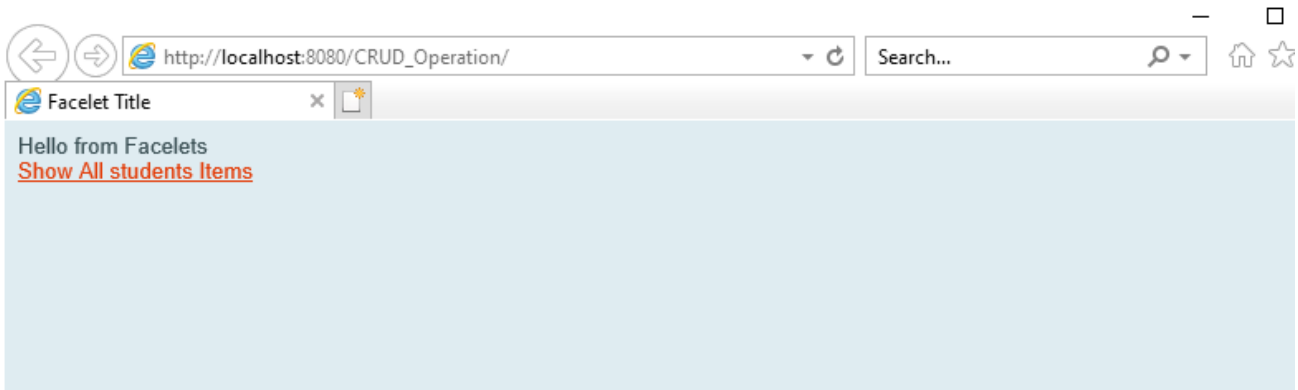
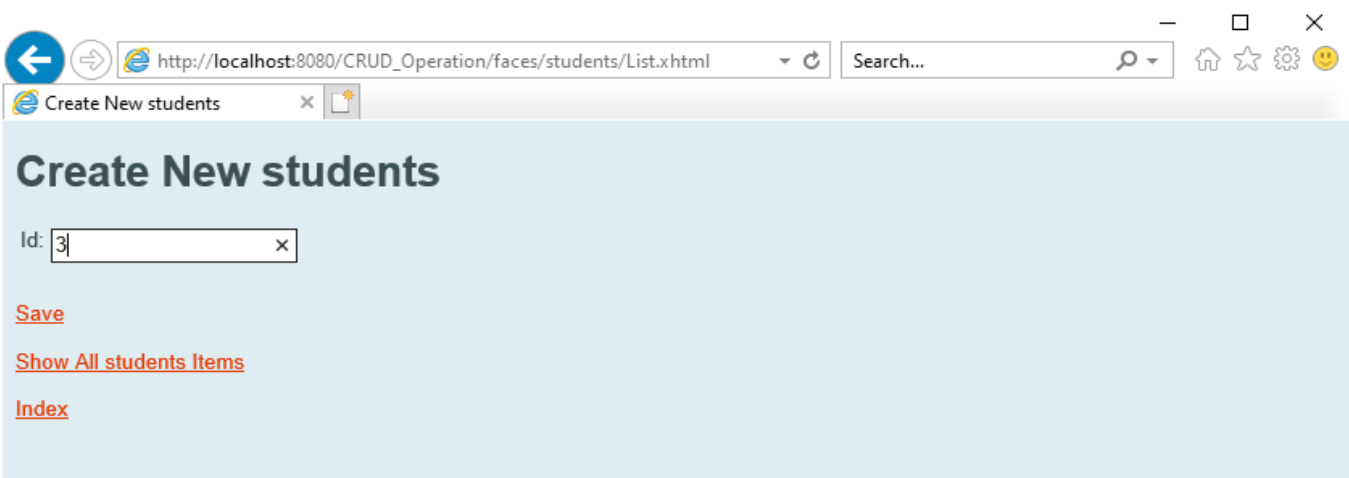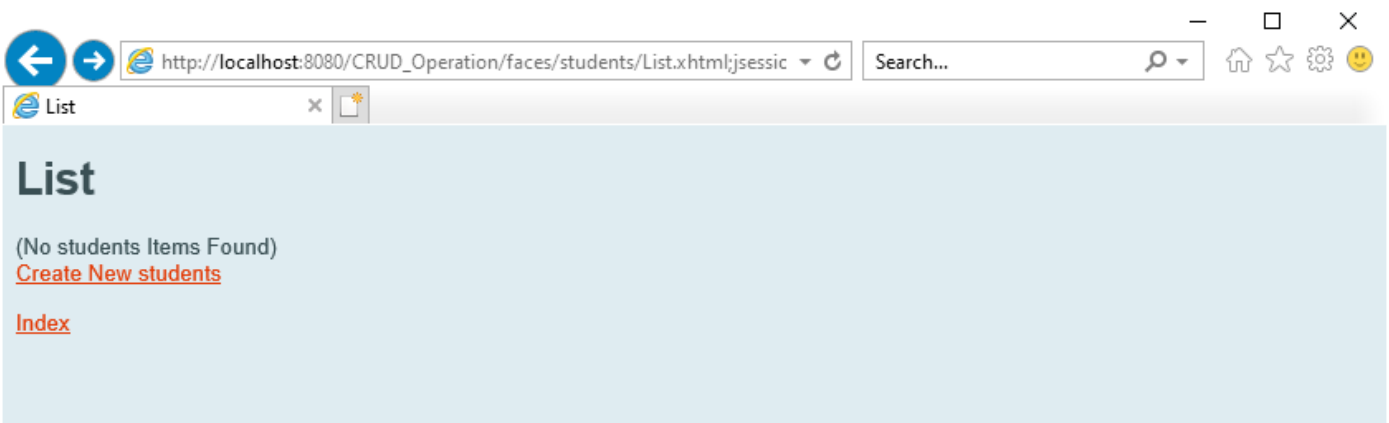**17)** Now **right click on web application name and Deploy** it.

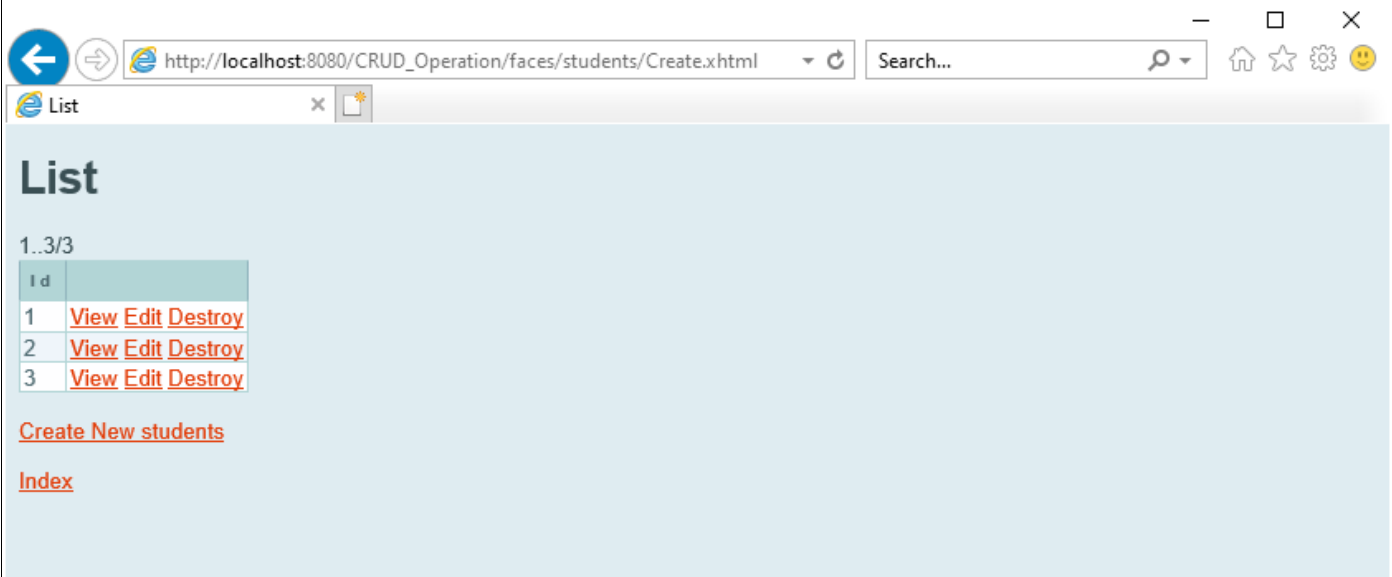**18)** Now **right click on project name** and **run** it.

19) A window will open in browser like below.

20) Now **click on Show All students** Items for CRUD operation.
Just click on Create New students. **Enter a name into FirstName and id into Id**. Now **click on Save** option to save the data.

21) Now **click on Show All students Items to view all records** whether our data is entered or not.

22) Delete the Record