

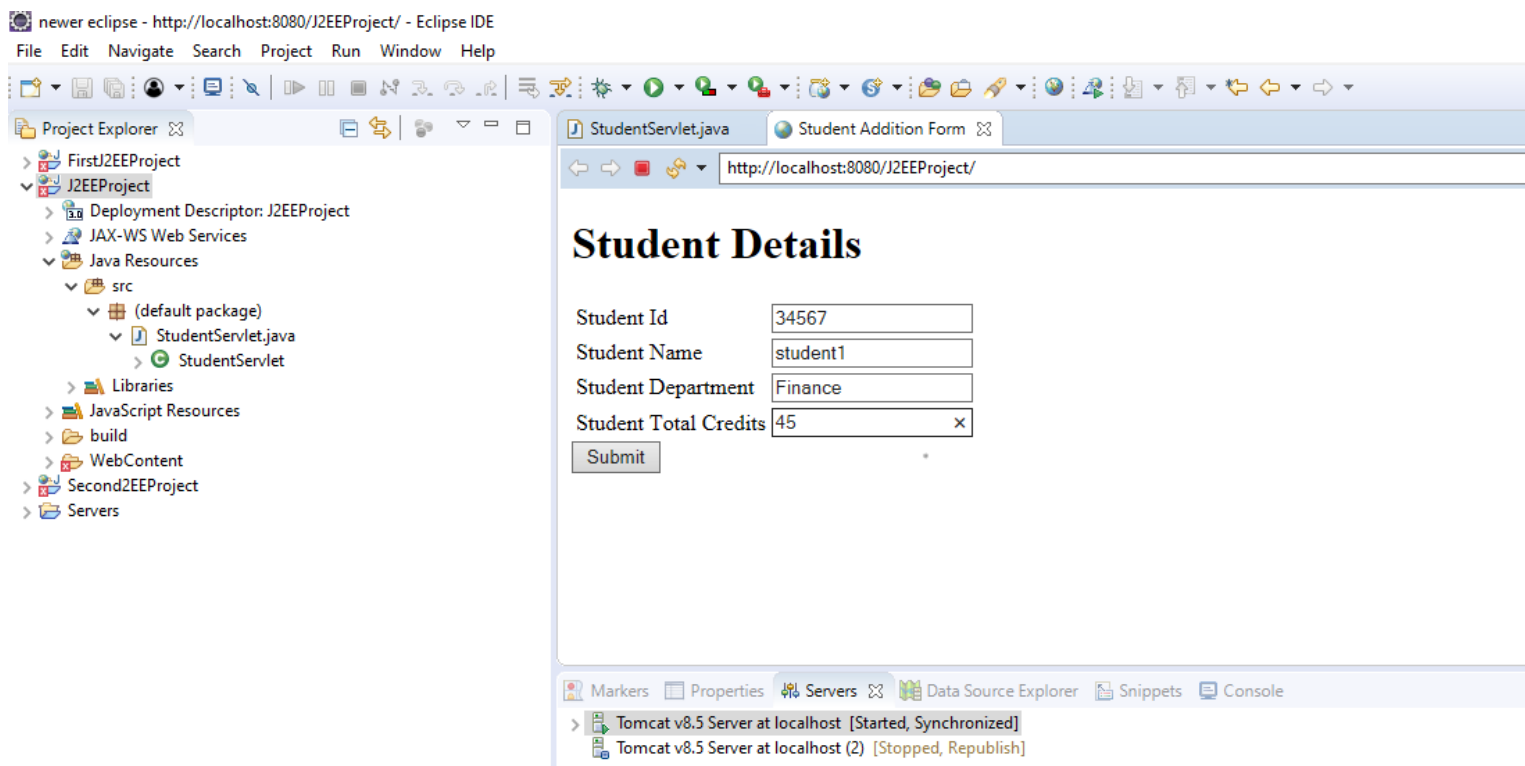
CS-313 - Assignment 6

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Part-A

1.



2.

```
    super();
    // TODO Auto-generated constructor stub
}
protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException
{
    try
    {
        //getting input values from jsp page
        String id = request.getParameter("id");
        String name = request.getParameter("name");
        String dept_name = request.getParameter("dept_name");
        int tot_cred = Integer.parseInt(request.getParameter("tot_cred"));

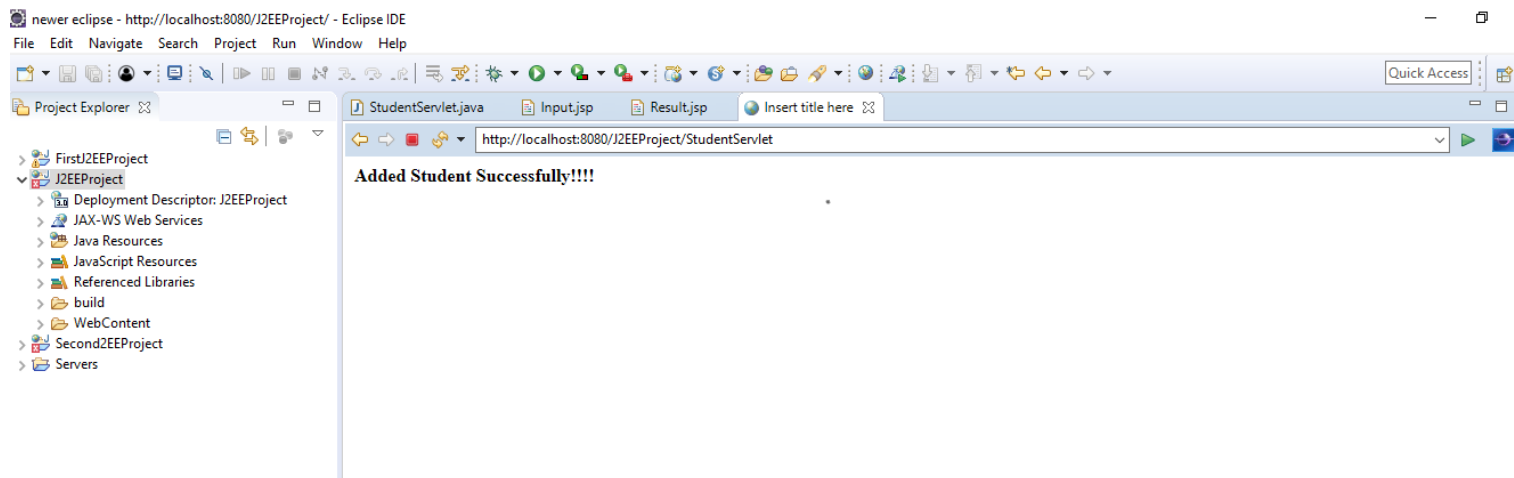
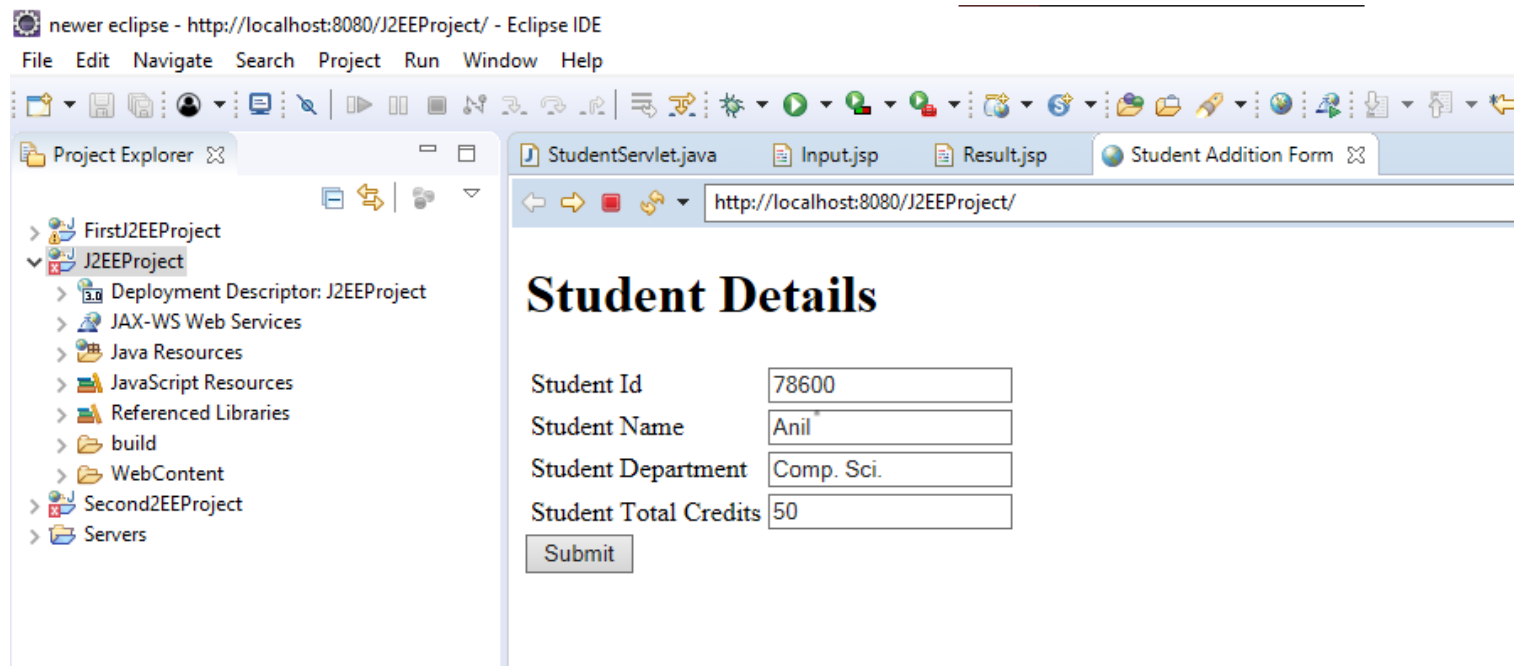
        Connection con = null;
        String url = "jdbc:mysql://localhost:3306/university"; //MySQL URL and followed by the database name
        String username = "universityDB0029"; //MySQL username
        String password = ""; //MySQL password

        Class.forName("com.mysql.jdbc.Driver");
        con = DriverManager.getConnection(url, username, password); //attempting to connect to MySQL database
        System.out.println("Printing connection object "+con);

        //Prepared Statement to add student data
        PreparedStatement st = con.prepareStatement("insert into student values(?, ?,?,?)");
        st.setString(1,id);
        st.setString(2,name);
        st.setString(3,dept_name);
        st.setInt(4,tot_cred);
        int result=st.executeUpdate();

        //Checks if insert is successful.If yes,then redirects to Result.jsp page
        if(result>0)
        {
            RequestDispatcher rd = request.getRequestDispatcher("Result.jsp");
            rd.forward(request, response);
        }
    }
}
```

3.



<input type="checkbox"/>		Edit		Copy		Delete	70557	Snow	Physics	0
<input type="checkbox"/>		Edit		Copy		Delete	76543	Brown	Comp. Sci.	58
<input type="checkbox"/>		Edit		Copy		Delete	76653	Aoi	Elec. Eng.	60
<input type="checkbox"/>		Edit		Copy		Delete	78600	Anil	Comp. Sci.	50
<input type="checkbox"/>		Edit		Copy		Delete	98765	Bourikas	Elec. Eng.	98

Part-B

1.

```
MariaDB [(none)]> create database Library;  
Query OK, 1 row affected (0.072 sec)
```

```
MariaDB [(none)]> use Library  
Database changed
```

```
MariaDB [Library]> source Task_1.sql  
Query OK, 0 rows affected (0.308 sec)
```

```
Query OK, 0 rows affected (0.075 sec)
```

```
Query OK, 0 rows affected (0.081 sec)
```

```
MariaDB [Library]> show tables;
```

```
+-----+  
| Tables_in_library |  
+-----+  
| book               |  
| issue              |  
| student            |  
+-----+
```

```
3 rows in set (0.006 sec)
```

2.

```
MariaDB [Library]> source Task_2.sql
Query OK, 1 row affected (0.084 sec)

Query OK, 1 row affected (0.009 sec)

Query OK, 1 row affected (0.031 sec)

Query OK, 1 row affected (0.009 sec)

Query OK, 1 row affected (0.022 sec)

Query OK, 1 row affected (0.024 sec)

Query OK, 1 row affected (0.017 sec)

Query OK, 1 row affected (0.006 sec)

Query OK, 1 row affected (0.006 sec)

Query OK, 1 row affected (0.007 sec)

Query OK, 1 row affected (0.008 sec)

Query OK, 1 row affected (0.008 sec)
```

```
MariaDB [Library]> select * from book;
```

book_id	title	category	author
1	Book_1	Historical fiction	author_1
2	Book_2	Mystery	author_2
3	Book_1	Adventure	author_3
4	Book_3	Mystery	author_1
5	Book_4	Classics	author_4
6	Book_5	Adventure	author_2

```
6 rows in set (0.001 sec)
```

```
MariaDB [Library]> select * from student;
```

student_id	name	dept_name	year	semester
1	student_1	Comp. Sci.	2021	Spring
2	student_2	Electrical	2020	Spring
3	student_3	Mechanical	2022	Fall
4	student_1	Comp. Sci.	2019	Spring
5	student_4	Mechanical	2021	Fall
6	student_3	Civil	2020	Spring

```
6 rows in set (0.009 sec)
```

```
MariaDB [Library]> select * from issue;
```

student_id	book_id	issue_date	return_date
1	1	12/2/2022	13/2/2022
2	5	2/3/2022	10/3/2022
3	1	17/5/2022	25/5/2022
3	6	30/2/2022	3/3/2022
4	2	16/4/2022	19/4/2022
4	2	5/2/2022	5/2/2022
5	3	22/3/2022	22/3/2022
5	4	22/2/2022	3/3/2022
6	4	16/5/2022	22/5/2022

```
9 rows in set (0.001 sec)
```

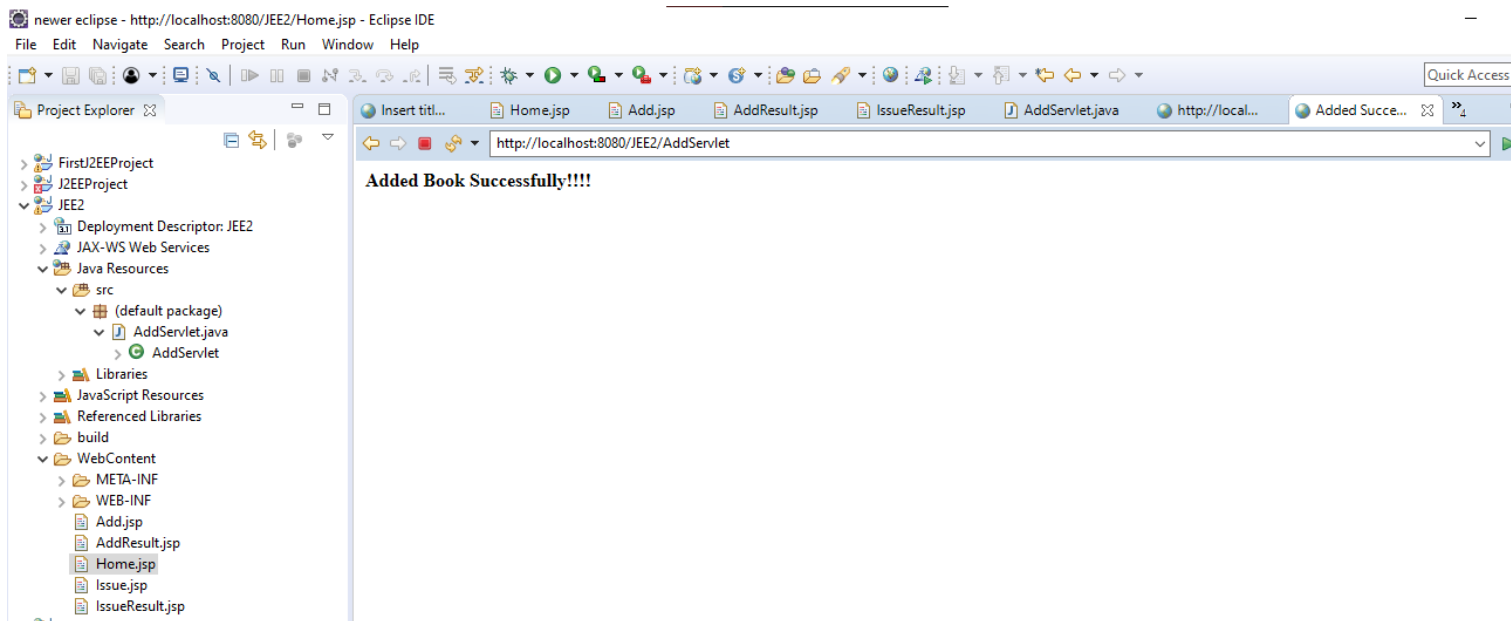
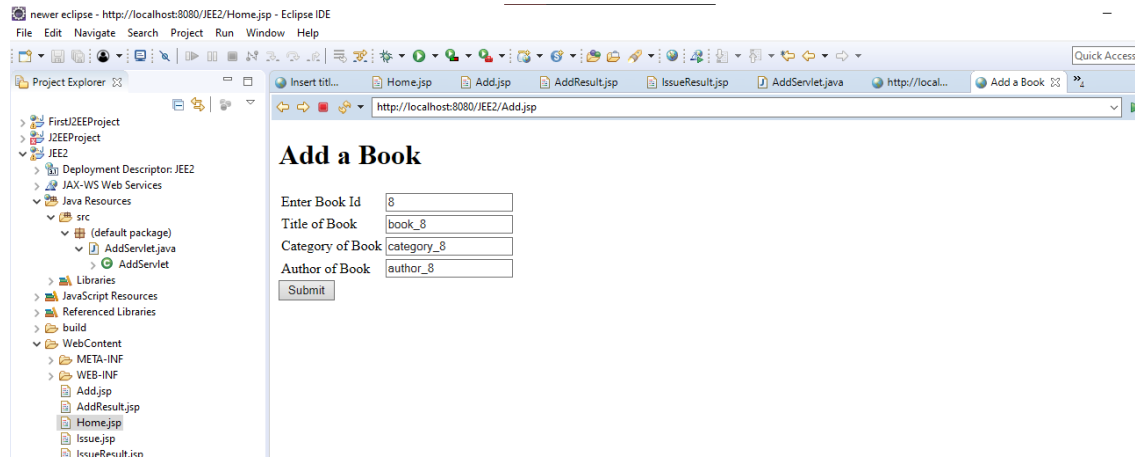
3.












a.

newer eclipse - http://localhost:8080/JEE2/Home.jsp - Eclipse IDE

File Edit Navigate Search Project Run Window Help

The screenshot shows the Eclipse IDE interface. The Project Explorer on the left lists several projects: FirstJ2EEProject, J2EEProject, JEE2, SecondJ2EEProject, and Servers. The main editor area displays a web browser window with the URL <http://localhost:8080/JEE2/Home.jsp>. The browser's address bar shows the same URL. The page content includes two links: [Add a Book](#) and [Add a Issue](#). The browser's tab bar shows several tabs: StudentServl..., Input.jsp, Result.jsp, IssueServle..., Home.jsp, Add an Issue, and Student Addi....



<input type="checkbox"/>	 Edit	 Copy	 Delete	6	Book_5	Adventure	author_2	
<input type="checkbox"/>	 Edit	 Copy	 Delete	8	book_8	category_8	author_8	
	<input type="checkbox"/> Check all	With selected:			 Edit	 Copy	 Delete	 Export

