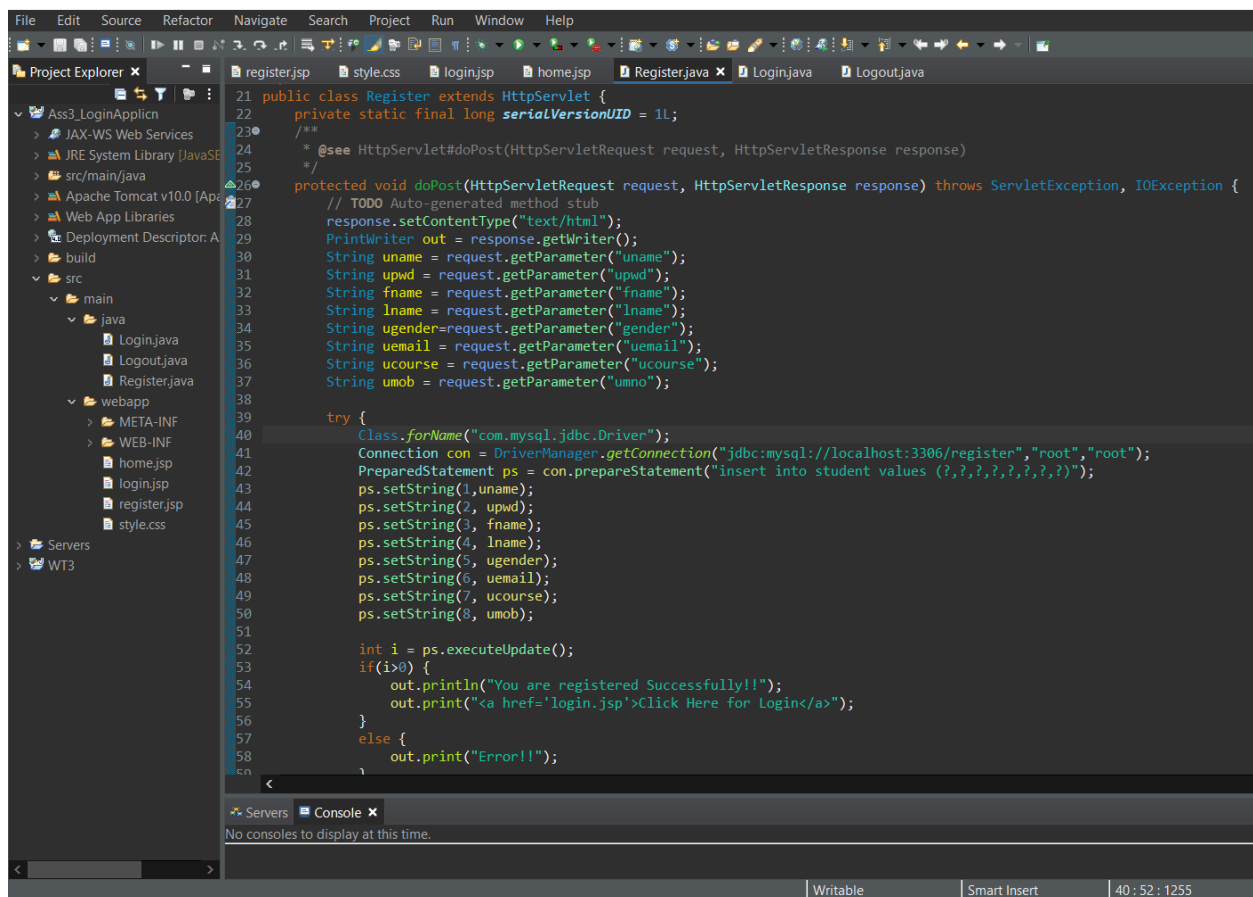


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**Class:** TE(B) COMP  
**Roll No.:** 39055  
**Subject :** Web Technology Lab

## Add dynamic web application essence in Registration Form using Servlet, JSP and backend.

### CODE:

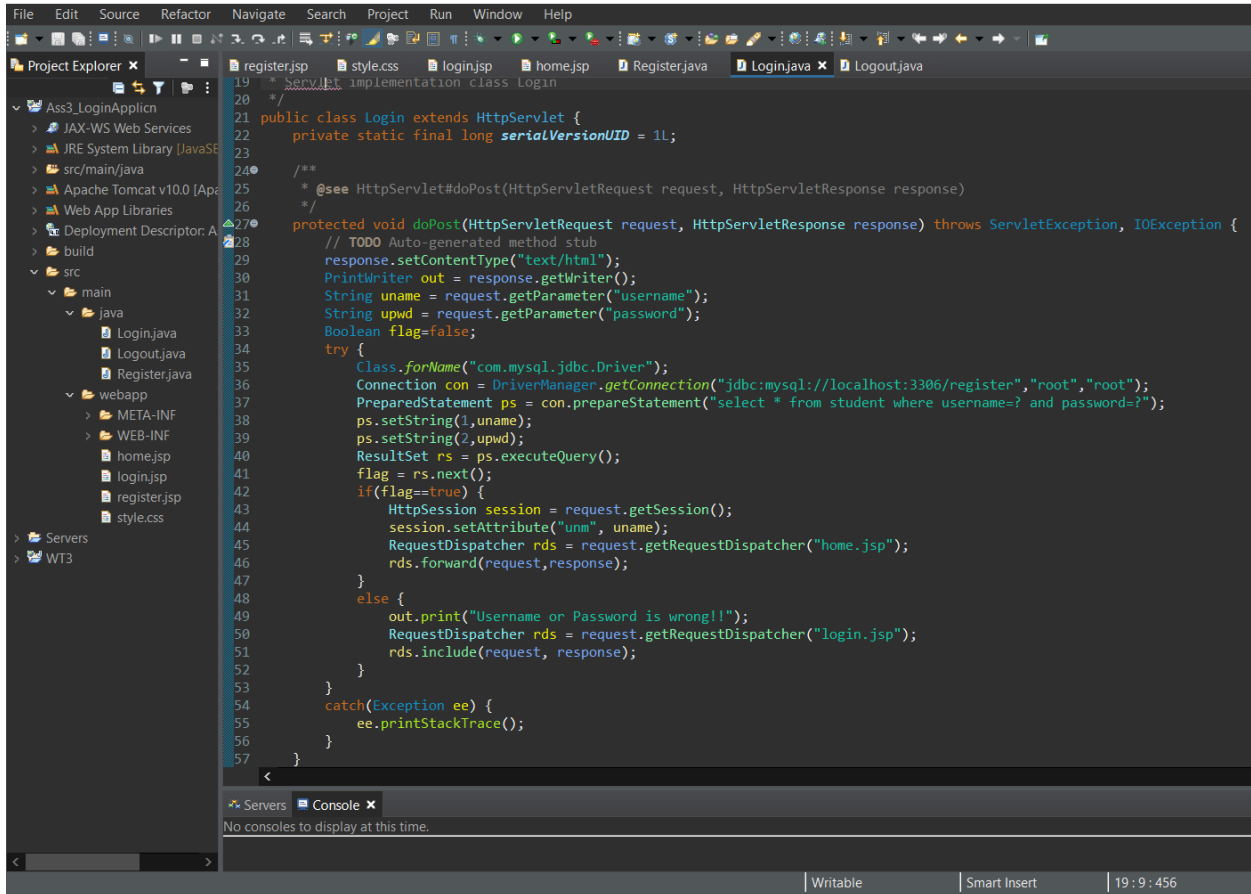
1.Register.java file to get user information and add to database:



```
File Edit Source Refactor Navigate Search Project Run Window Help
Project Explorer
Ass3_LoginApplicn
  JAX-WS Web Services
  JRE System Library [JavaSE
  src/main/java
  Apache Tomcat v10.0 [Ap
  Web App Libraries
  Deployment Descriptor: A
  build
  src
    main
      java
        Login.java
        Logout.java
        Register.java
      webapp
        META-INF
        WEB-INF
        home.jsp
        login.jsp
        register.jsp
        style.css
  Servers
  WT3

21 public class Register extends HttpServlet {
22     private static final long serialVersionUID = 1L;
23     /**
24      * @see HttpServlet#doPost(HttpServletRequest request, HttpServletResponse response)
25      */
26     protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
27         // TODO Auto-generated method stub
28         response.setContentType("text/html");
29         PrintWriter out = response.getWriter();
30         String uname = request.getParameter("uname");
31         String upwd = request.getParameter("upwd");
32         String fname = request.getParameter("fname");
33         String lname = request.getParameter("lname");
34         String ugender = request.getParameter("gender");
35         String uemail = request.getParameter("uemail");
36         String ucourse = request.getParameter("ucourse");
37         String umob = request.getParameter("umob");
38
39         try {
40             Class.forName("com.mysql.jdbc.Driver");
41             Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/register","root","root");
42             PreparedStatement ps = con.prepareStatement("insert into student values (?, ?, ?, ?, ?, ?, ?, ?)");
43             ps.setString(1, uname);
44             ps.setString(2, upwd);
45             ps.setString(3, fname);
46             ps.setString(4, lname);
47             ps.setString(5, ugender);
48             ps.setString(6, uemail);
49             ps.setString(7, ucourse);
50             ps.setString(8, umob);
51
52             int i = ps.executeUpdate();
53             if(i>0) {
54                 out.println("You are registered Successfully!!");
55                 out.print("<a href='login.jsp'>Click Here for Login</a>");
56             }
57             else {
58                 out.print("Error!!");
59             }
60         } catch (Exception e) {
61             out.print("Error!!");
62         }
63     }
64 }
```

2. Login.java file to get registered users email and password information from database and send to home page:



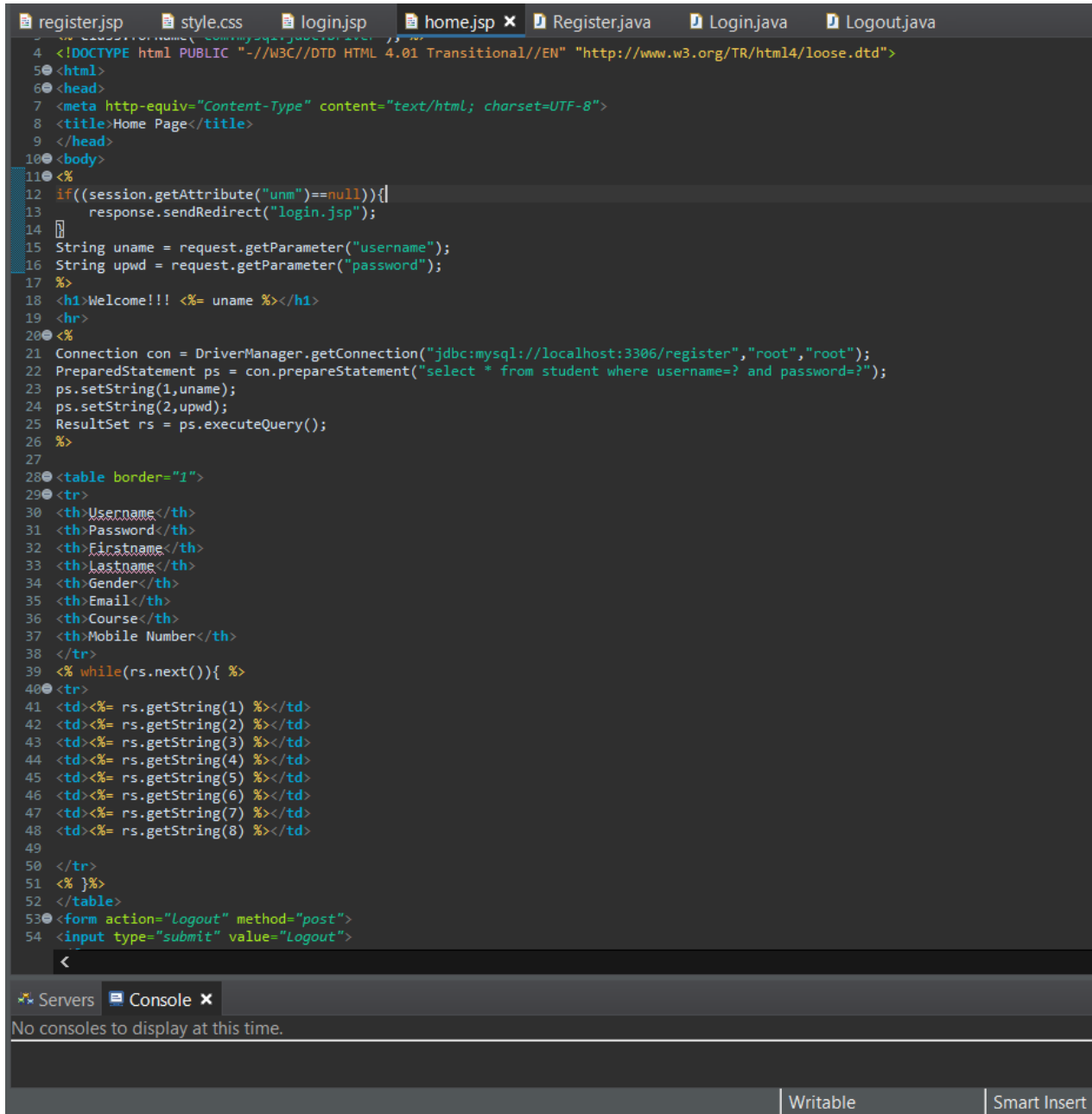
```
19  * Servlet implementation class Login
20  */
21  public class Login extends HttpServlet {
22      private static final long serialVersionUID = 1L;
23
24      /**
25       * @see HttpServlet#doPost(HttpServletRequest request, HttpServletResponse response)
26       */
27      protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
28          // TODO Auto-generated method stub
29          response.setContentType("text/html");
30          PrintWriter out = response.getWriter();
31          String uname = request.getParameter("username");
32          String upwd = request.getParameter("password");
33          Boolean flag=false;
34          try {
35              Class.forName("com.mysql.jdbc.Driver");
36              Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/register","root","root");
37              PreparedStatement ps = con.prepareStatement("select * from student where username=? and password=?");
38              ps.setString(1,uname);
39              ps.setString(2,upwd);
40              ResultSet rs = ps.executeQuery();
41              flag = rs.next();
42              if(flag==true) {
43                  HttpSession session = request.getSession();
44                  session.setAttribute("unm", uname);
45                  RequestDispatcher rds = request.getRequestDispatcher("home.jsp");
46                  rds.forward(request,response);
47              }
48              else {
49                  out.print("Username or Password is wrong!!");
50                  RequestDispatcher rds = request.getRequestDispatcher("login.jsp");
51                  rds.include(request, response);
52              }
53          }
54          catch(Exception ee) {
55              ee.printStackTrace();
56          }
57      }
58  }
```

4.Database Queries in MySQL workbench :



```
Query 1
1 • create database register;
2 • use register;
3
4 • create table student(username varchar(100),password varchar(100),
5   firstname varchar(100),lastname varchar(100),
6   gender char(100),email varchar(100),
7   course char(100),mobile varchar(100));
8
9 • select * from stduent;
```

4. home.jsp file to get registered user all information from database and display on home page:



```
4 <!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN" "http://www.w3.org/TR/html4/loose.dtd">
5 <html>
6 <head>
7 <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
8 <title>Home Page</title>
9 </head>
10 <body>
11 <%
12 if((session.getAttribute("unm")==null)){
13     response.sendRedirect("login.jsp");
14 }
15 String uname = request.getParameter("username");
16 String upwd = request.getParameter("password");
17 %>
18 <h1>Welcome!!! <%= uname %></h1>
19 <hr>
20 <%
21 Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/register","root","root");
22 PreparedStatement ps = con.prepareStatement("select * from student where username=? and password=?");
23 ps.setString(1,uname);
24 ps.setString(2,upwd);
25 ResultSet rs = ps.executeQuery();
26 %>
27
28 <table border="1">
29 <tr>
30 <th>Username</th>
31 <th>Password</th>
32 <th>Firstname</th>
33 <th>Lastname</th>
34 <th>Gender</th>
35 <th>Email</th>
36 <th>Course</th>
37 <th>Mobile Number</th>
38 </tr>
39 <% while(rs.next()){ %>
40 <tr>
41 <td><%= rs.getString(1) %></td>
42 <td><%= rs.getString(2) %></td>
43 <td><%= rs.getString(3) %></td>
44 <td><%= rs.getString(4) %></td>
45 <td><%= rs.getString(5) %></td>
46 <td><%= rs.getString(6) %></td>
47 <td><%= rs.getString(7) %></td>
48 <td><%= rs.getString(8) %></td>
49
50 </tr>
51 <% }%>
52 </table>
53 <form action="Logout" method="post">
54 <input type="submit" value="Logout">
55 </form>
```

Servers Console x

No consoles to display at this time.

Writable Smart Insert

## OUTPUT:

1.

## Login Form

Username:

Password:

[Click Here To Register](#)

2.

## Registration Form

Username:

Password:

Firstname:

Lastname:

Gender:

☐ Male ☐ Female

Email:

Course:

Select Course ▼

Mobile No.:

3.Home Page:

register.jsp style.css login.jsp home.jsp Register.java Login.java Logout.java Home Page x

http://localhost:8080/Ass3\_LoginApplicn/login

## Welcome!!! br14x

Username	Password	Firstname	Lastname	Gender	Email	Course	Mobile Number
br14x		Bhavik	Ransubhe	Male	bhau1401@gmail.com	BE	+919090909090

Logout

4.All users:

```
1 • SELECT * FROM register.student;
```

<								
Result Grid   Filter Rows:   Export:   Wrap Cell Content:								
	username	password	firstname	lastname	gender	email	course	mobile
▶	bhau		Bhavik	Ransubhe	Male	bhavu1401@gmail.com	BE	+919090909090
	br14x		Bhavik	Ransubhe	Male	bhau1401@gmail.com	BE	+919090909090

**END**