

ASSIGNMENT -6

Implement the program demonstrating use of JSP

Create a database table students_info (stud_id, stud_name, class, division, city) using database like Oracle/MySQL etc. and display (use SQL select query) the table content using JSP.

S/w Requirement: Eclipse editor

Server: Tomcat apache V10 (which is available in Eclipse editor)

Xampp server for Mysql and Apache (For Database)

External Jar file : mysql-connector-java-8.0.28

<https://dev.mysql.com/downloads/connector/j/> download based on your OS

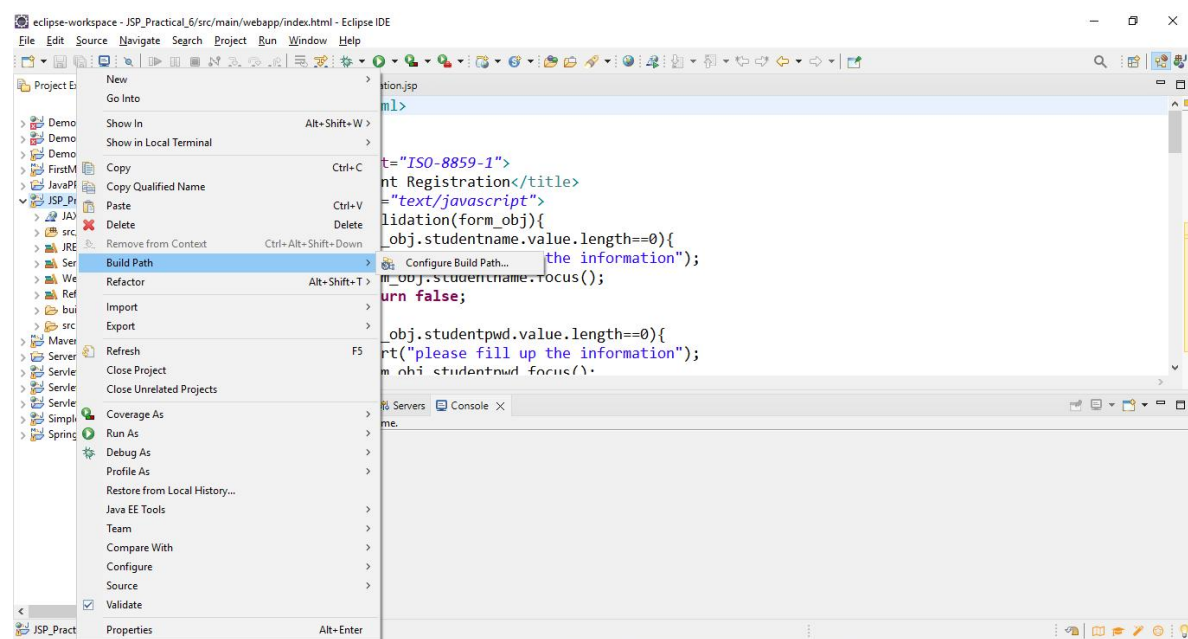
Step 1.

First, we'll start Eclipse and switch to the Java EE perspective.

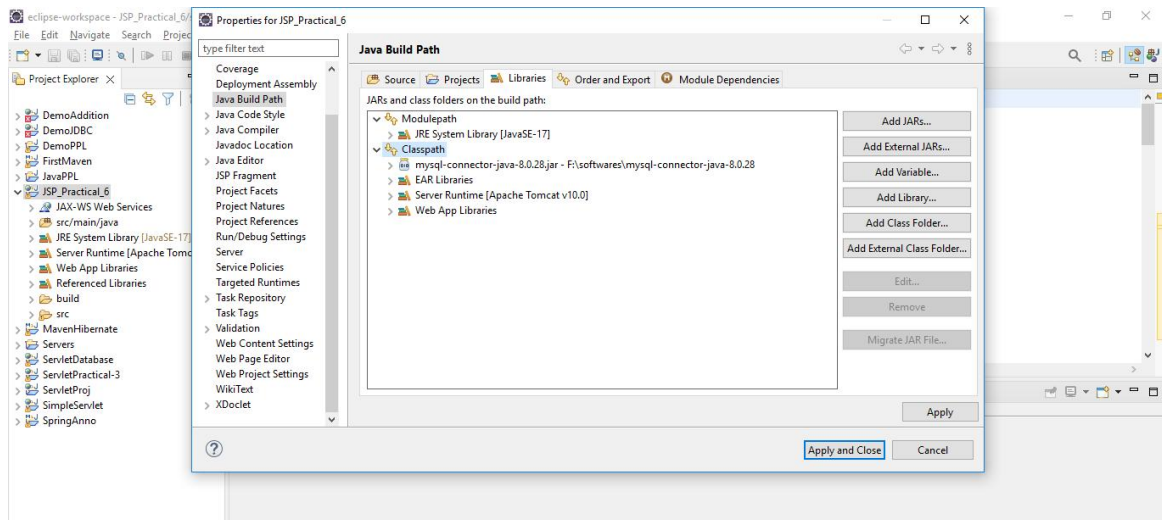
<https://www.javatpoint.com/creating-jsp-in-eclipse-ide> follow these steps for creating dynamic web project

Step 2:

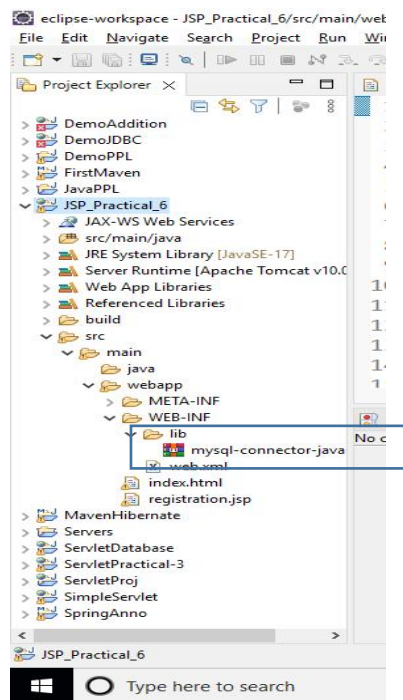
- ✓ Add jar file mysql-connector-java-8.0.28
- ✓ Right click on project ->build path->configure build path



- ✓ Click on classpath (given below)->Add external JARs->browse the path mysql-connector file -> apply -->apply and close



Note: if database connection fails then add mysql connector file in the following path of your project



Step 3: create index.html file

```
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Student Registration</title>
<script type="text/javascript">
function validation(form_obj){
    if(form_obj.studentname.value.length==0){
        alert("please fill up the information");
        form_obj.studentname.focus();
        return false;
    }
}
```

```

    }
    if(form_obj.studentpwd.value.length==0){
        alert("please fill up the information");
        form_obj.studentpwd.focus();
        return false;
    }
    if(form_obj.studentclass.value.length==0){
        alert("please fill up the information");
        form_obj.studentclass.focus();
        return false;
    }
    if(form_obj.studentdiv.value.length==0){
        alert("please fill up the information");
        form_obj.studentdiv.focus();
        return false;
    }
    if(form_obj.studentcity.value.length==0){
        alert("please fill up the information");
        form_obj.studentcity.focus();
        return false;
    }
    return true;
}

</script>
</head>
<body>
    <center>
        <form action="registration.jsp" method="post" name="entry"
            onSubmit="return validation(this)">
            <input type="hidden" value="list" name="action">
            <table border="3" cellpadding="0" cellspacing="0">
                <tr>
                    <td>
                        <table>
                            <tr>
                                <td colspan="2" align="center">
                                    <t2>Student Entry Form</t2></td></tr>
                            <tr>
                                <td>Student Name</td>
                                <td><input name="studentname" type="text" size="50"></td>
                            </tr>
                            <tr>
                                <td>Student password</td>
                                <td><input name="studentpwd" type="password" size="8"></td>
                            </tr>
                            <tr>
                                <td>Class</td>
                                <td><input name="studentclass" type="text" size="8"></td>
                            </tr>
                            <tr>
                                <td>Division</td>
                                <td><input name="studentdiv" type="text" size="8"></td>
                            </tr>
                            <tr>
                                <td>City</td>
                                <td><input name="studentcity" type="text" size="8"></td>
                            </tr>
                        </table>
                    </td>
                </tr>
            </table>
        </form>
    </center>

```

```

        <td colspan="2" align="center">
        <input type="submit" value="Submit"></td>
    </tr>
</table>
</td>
</tr>

```

```

    </table>
</form>

```

```

</center>
</body>
</html>

```

Step-4 registration .jsp

```

<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1" import="java.sql.*"%>
<%@ page import="java.io.*" %>
<%
    Connection con=null;
    ResultSet rs=null;
    Statement stmt=null;
    String uname="root";
    String pwd="";

    Class.forName("com.mysql.cj.jdbc.Driver").newInstance();
    con=DriverManager.getConnection("jdbc:mysql://localhost:3306/registration_db",uname,pwd);
    out.write("Connected to mysql");
    stmt=con.createStatement();
    if(request.getParameter("action")!=null){
        String studname=request.getParameter("studentname");
        String studpassword=request.getParameter("studentpwd");
        String studclass=request.getParameter("studentclass");
        String studdiv=request.getParameter("studentdiv");
        String studcity=request.getParameter("studentcity");

        String upstmt=
            "insert into
            reg_table(name,password,class,division,city)values('"+studname+"','"+studpassword+"','"+studclass+"',
            '"+studdiv+"','"+studcity+"')";
        stmt.executeUpdate(upstmt);
        rs=stmt.executeQuery("select * from reg_table");

    }

%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Registration</title>

</head>
<body>
<center>

```

```

<h2>Student List</h2>
<table border=1 cellspacing="0" cellpadding="0">
<tr>
<td><b>No.</b></td>
<td><b>Name</b></td>
<td><b>Class</b></td>
<td><b>Division</b></td>
<td><b>City</b></td>
</tr>
<%
int num=1;
while(rs.next()){

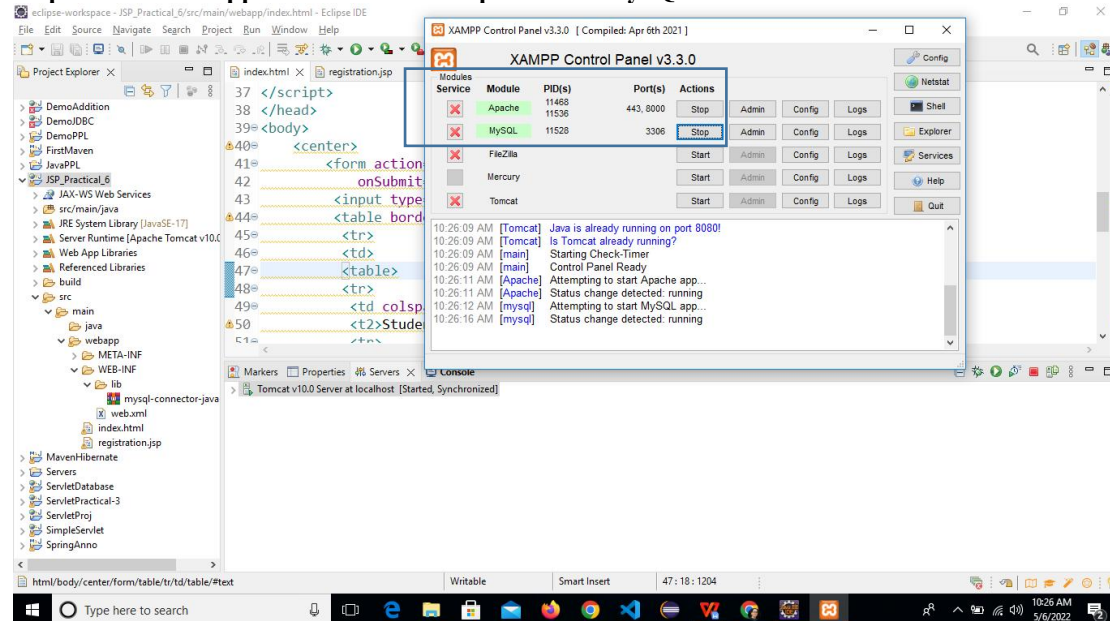
%>
<tr>
<td><%=num %></td>
<td><%=rs.getString("name") %></td>
<td><%=rs.getString("class") %></td>
<td><%=rs.getString("division") %></td>
<td><%=rs.getString("city") %></td>
<%
num++;
}
rs.close();
stmt.close();
con.close();
%>
</table>

</center>
</body>

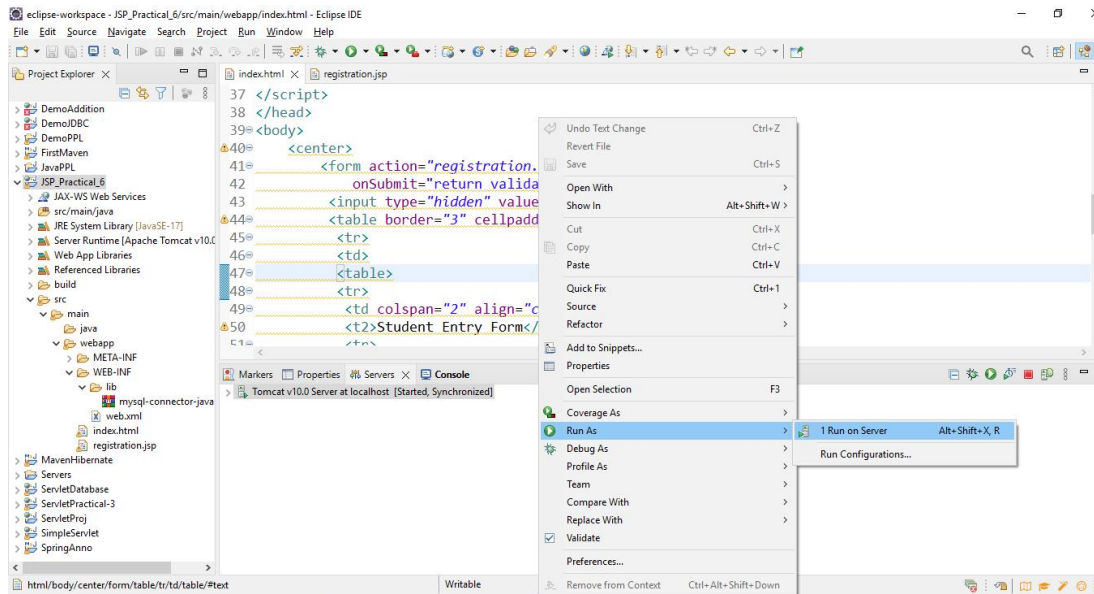
</html>

```

Step-5 : Start Xampp Server and Start Apache and MySQL Services



Right click on index.html file ->Run as->Run on server



Screenshots of outputs

