Godavari Foundation's
Godavari College of Engineering, Jalgaon
Department of Computer
<u>Lab Manual</u>
Database System Laboratory
<u>Practical No:-</u> ____

Date:-_____

<u>Name of Student</u>:- _____

<u>Class</u>:-_____   **<u>Roll No</u>:-_____**

<u>Title</u>:

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<u>Aim</u>: -

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<u>Software Requirement</u>: _____

<u>Hardware Requirement</u>:- _____

<u>Theory</u>:-

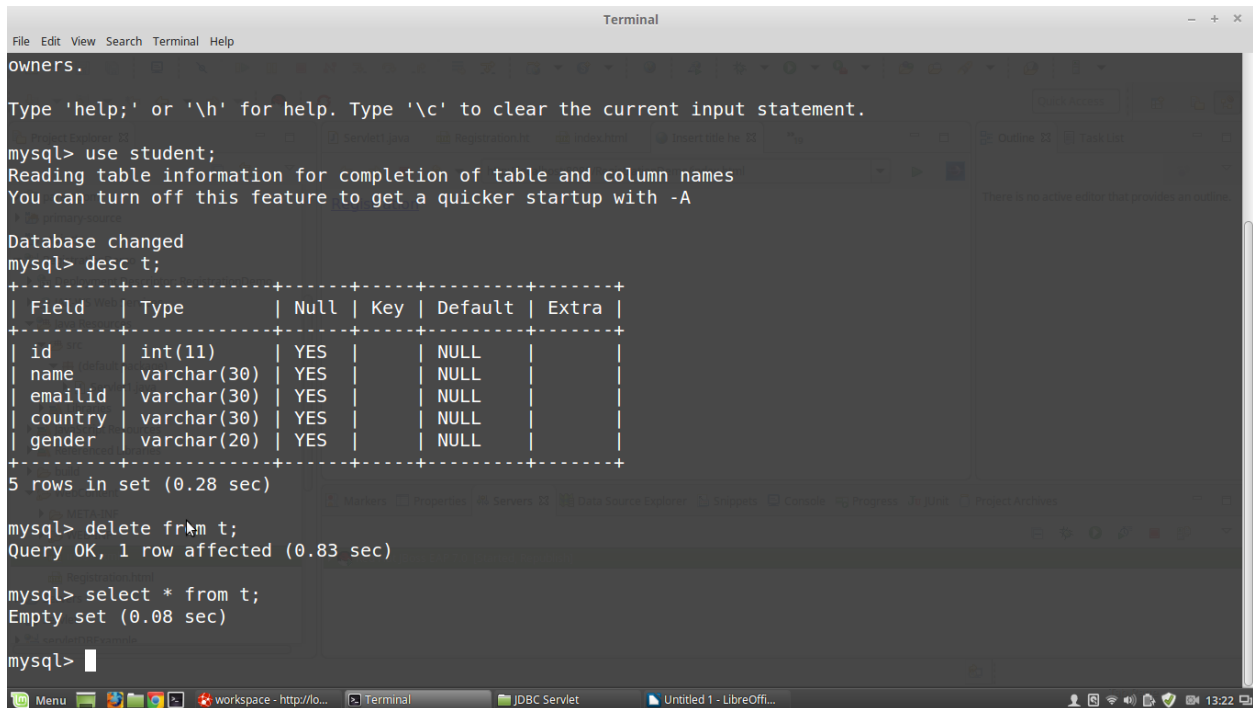**<u>HTML and MYSQL Database Connectivity using Sevlet</u>**

Start MYSQL
Create Table t in student Database

select * from t;

Empty set message is displayed

Open Red Hat Developer Studio EAP 7.0
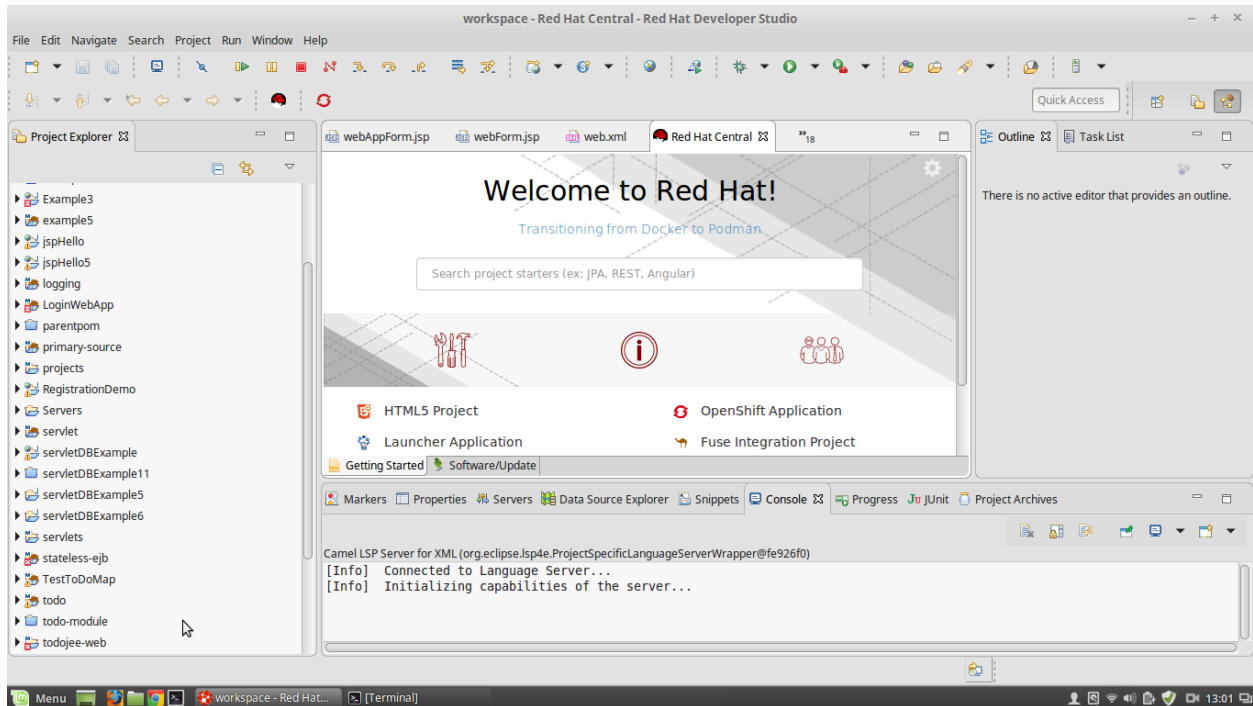
Click File→New→Dynamic Web Project

Create Project RegistrationDemo

Click Next>

Click Next>

New Dynamic Web Project

Web Module

Configure web module settings.

Context root: `RegistrationDemo2`

Content directory: `WebContent`

☒ Generate web.xml deployment descriptor

< Back   Next >   Cancel   Finish

select Generate web.xml deployment descriptor

- ▶ Example3
- ▶ example5
- ▶ jspHello
- ▶ jspHello5
- ▶ logging
- ▶ LoginWebApp
- ▶ parentpom
- ▶ primary-source
- ▶ projects
- ▶ RegistrationDemo
- ▶ Servers
- ▶ servlet
- ▶ servletDBExample
- ▶ servletDBExample11
- ▶ servletDBExample5
- ▶ servletDBExample6
- ▶ servlets
- ▶ stateless-ejb
- ▶ TestToDoMap
- ▶ todo
- ▶ todo-module
- ▶ todojee-web
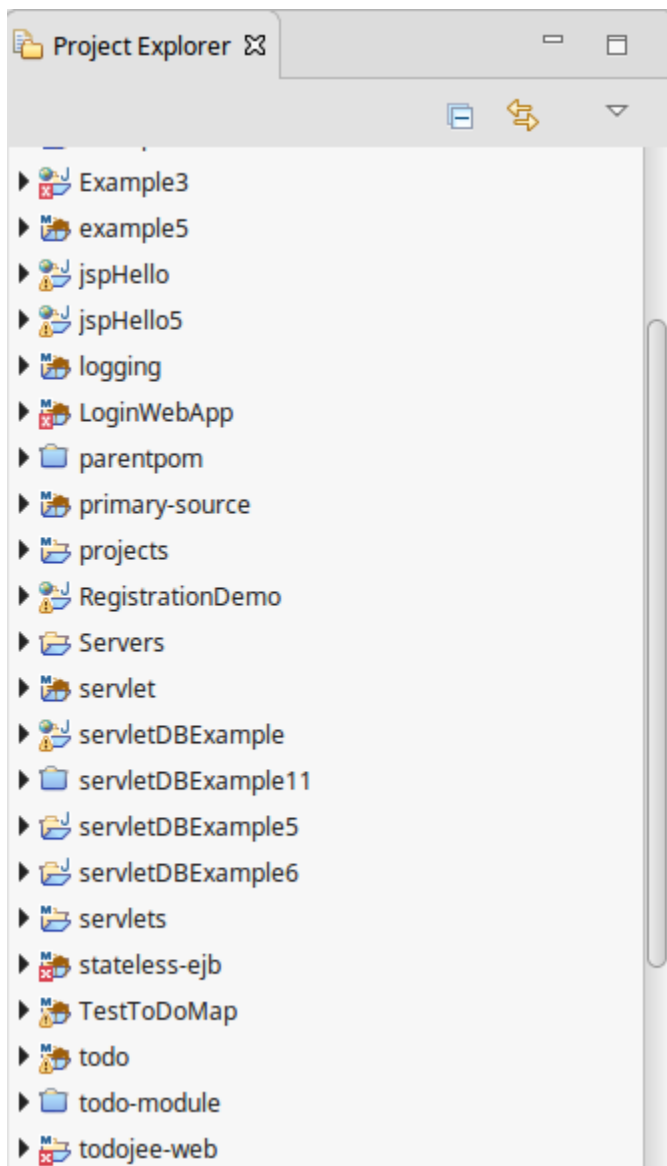
Create 3 Files
index.html
Registration.html
Servlet1.java

Project Explorer ⌗

▶ 🗀 parentpom
▶ 🗁 primary-source
▶ 🗁 projects
▼ 🗁 RegistrationDemo
   ▶ 📑 Deployment Descriptor: RegistrationDemo
   ▶ 🗁 JAX-WS Web Services
   ▼ 🗁 Java Resources
      ▼ 🗁 src
         ▼ ⊞ (default package)
            ▶ 🗋 Servlet1.java
      ▶ 📚 Libraries
   ▶ 📚 JavaScript Resources
   ▶ 📚 Referenced Libraries
   ▶ 🗁 build
   ▼ 🗁 WebContent
      ▶ 🗁 META-INF
      ▶ 🗁 WEB-INF
      🔳 index.html
      🔳 Registration.html
▶ 🗁 Servers
▶ 🗁 servlet
▶ 🗁 servletDBExample
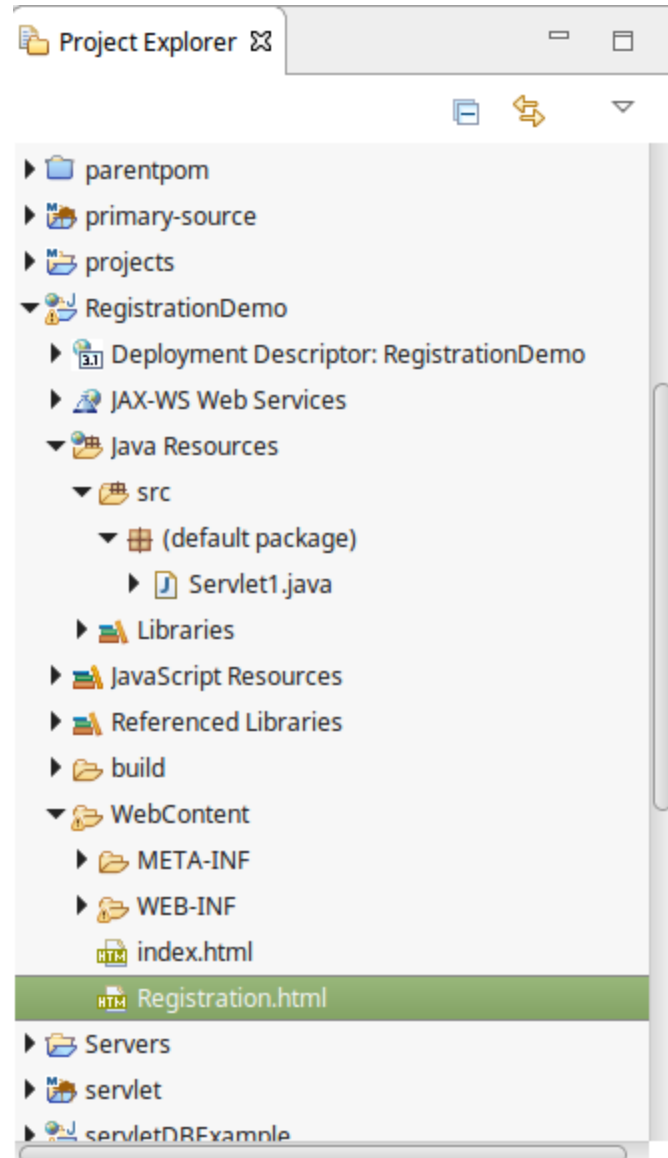
Right Click WebContent → New → HTML File → index.html

Copy and Paste Code

```
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>Insert title here</title>
</head>
<body>
<a href="Registration.html">Registration</a>
</body>
</html>
```

Right Click WebContent → New → HTML File → Registration.html

Copy and Paste Code

```
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>Insert title here</title>
</head>
<body>
<div style="height:300px;width:300px;margin-top:200px;margin-left:300px;border-color:red;border-style:solid;border-width:4px;">
<h1>Registration</h1>
<form action="./Servlet1">
<table>
<tr>
<td>Enter the ID:</td>
<td><input type="text" name="id"></td>
</tr>
<tr>
<td>Enter the Name:</td>
<td><input type="text" name="name"></td>
</tr>
<tr>
<td>Enter the Email ID:</td>
<td><input type="email" name="emailid"></td>
</tr>
```

```
<tr>
<td>Select the Country:</td>
<td><select name="country">
<option>India</option>
<option>America</option>
<option>England</option>
</select>
</td>
</tr>
<tr>
<td>Select the Gender:</td>
<td><input type="radio" name="gender" value="male">Male
<input type="radio" name="gender" value="female">Female
</td>
</tr>
<tr>
<td>Submit Information:</td>
<td><input type="submit" value="submit"></td>
</tr>
<tr>
</table>
</form>
</div>
</body>
</html>
```

Right Click src → New → Servlet → Servlet1.java

Copy and Paste Code

```
import java.io.IOException;
import java.io.PrintWriter;
import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
import java.sql.*;
/**
 * Servlet implementation class Servlet1
 */
@WebServlet("/Servlet1")
public class Servlet1 extends HttpServlet {
        private static final long serialVersionUID = 1L;

    /**
```

```java
 * @see HttpServlet#HttpServlet()
 */
public Servlet1() {
    super();
    // TODO Auto-generated constructor stub
}
    /**
     * @see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response)
     */
    protected void doGet(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
        // TODO Auto-generated method stub
        response.getWriter().append("Served at: ").append(request.getContextPath());
    PrintWriter out=response.getWriter();
    String id=request.getParameter("id");
    String name=request.getParameter("name");
    String emailid=request.getParameter("emailid");
    String country=request.getParameter("country");
    String gender=request.getParameter("gender");
    // jdbc code for connectivity with mysql
    try
    {
        Class.forName("com.mysql.jdbc.Driver");
        Connection con =
DriverManager.getConnection("jdbc:mysql://localhost:3306/student","root","root");
        Statement stmt = con.createStatement();
        stmt.executeUpdate("insert into t
values("+id+",'"+name+"','"+emailid+"','"+country+"','"+gender+"')");
      out.print(" Your Record has been successfully inserted");
    }
    catch(Exception p)
    {

    }
    }

    /**
     * @see HttpServlet#doPost(HttpServletRequest request, HttpServletResponse response)
     */
    protected void doPost(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
        // TODO Auto-generated method stub
        doGet(request, response);
    }
```
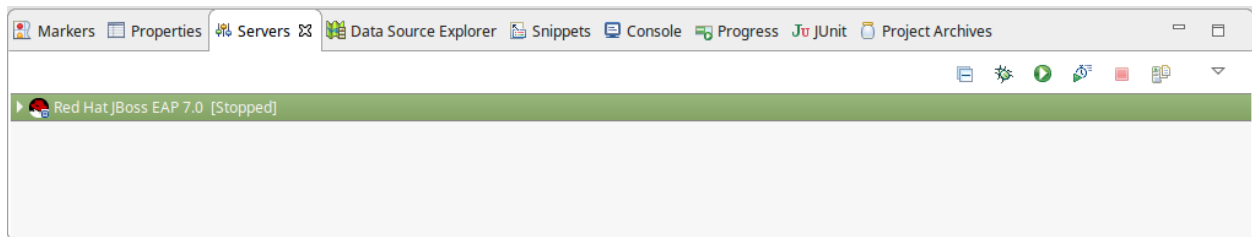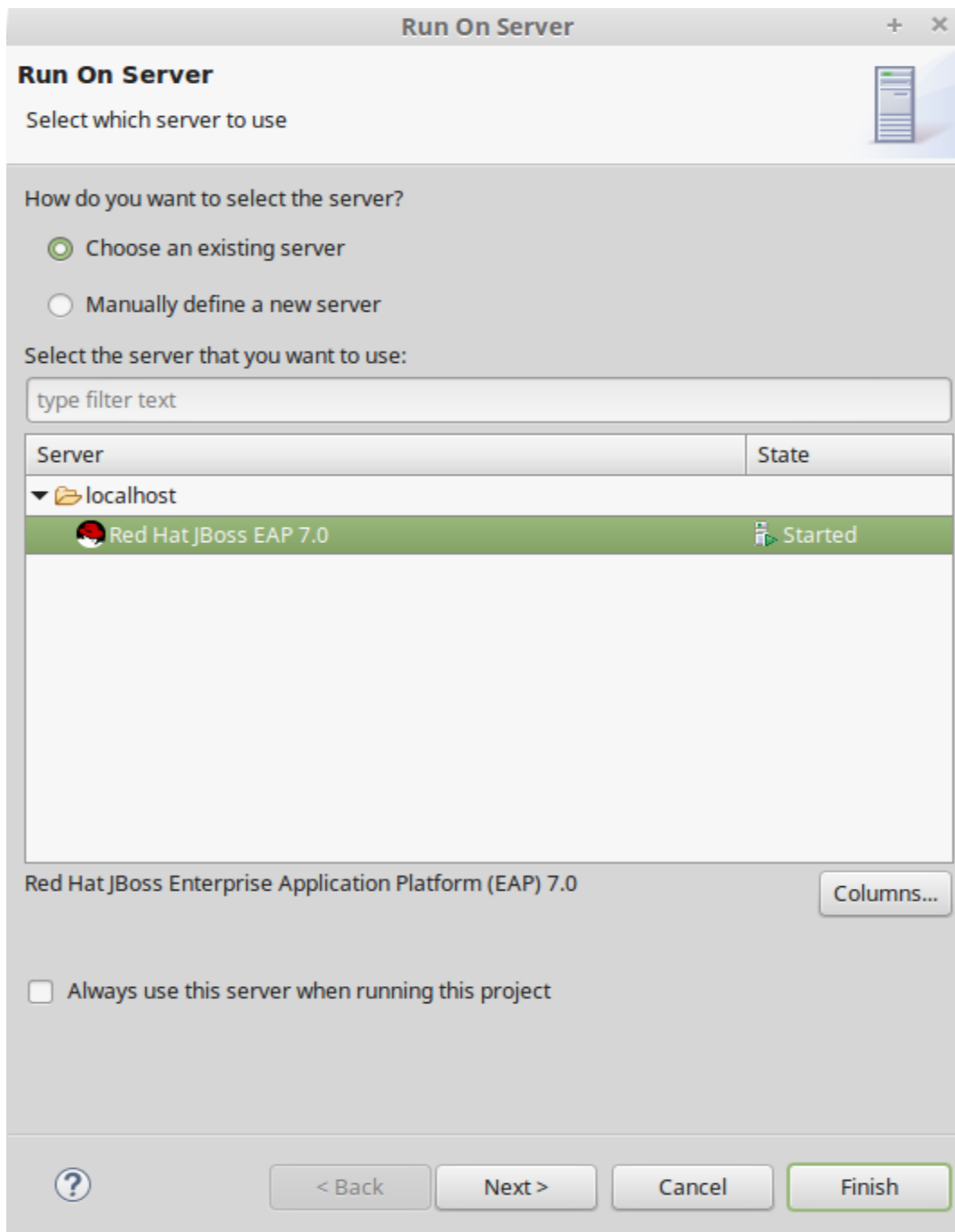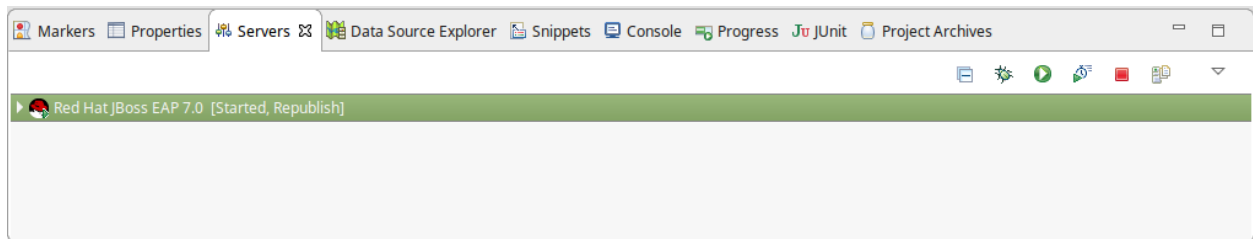
Click Servers Tab

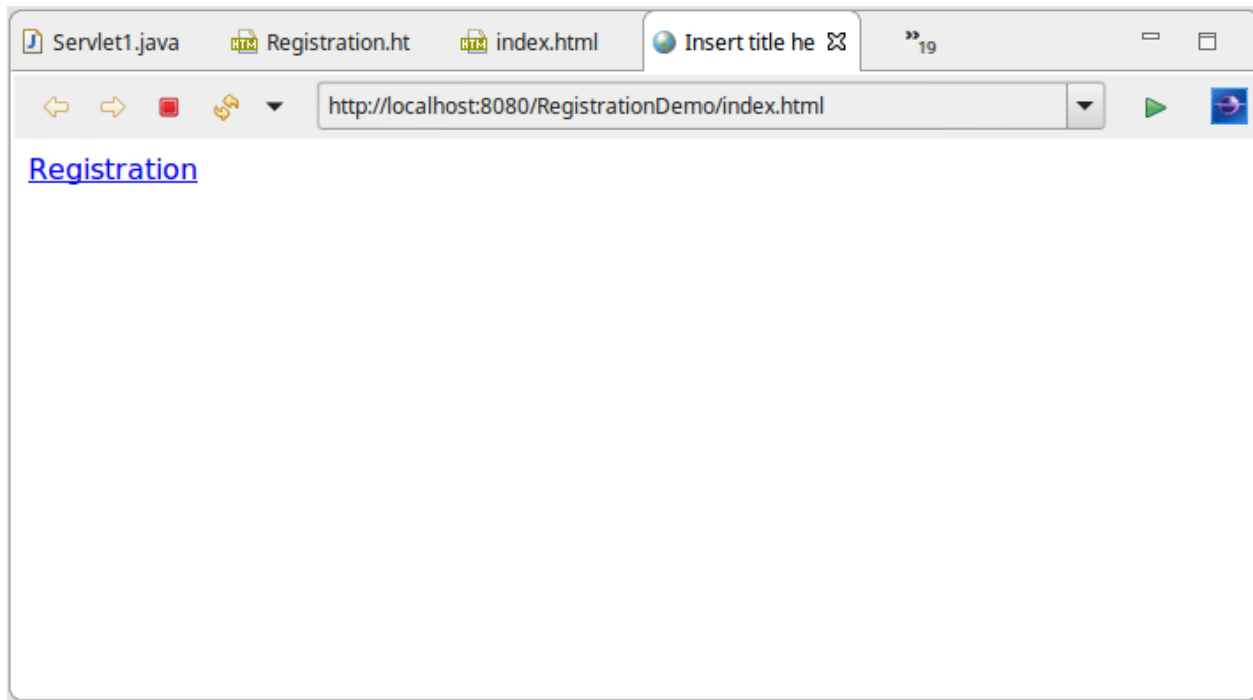Right Click Red Hat JBoss EAP 7.0 [Stopped] → Start

Select Red Hat JBoss EAP 7.0
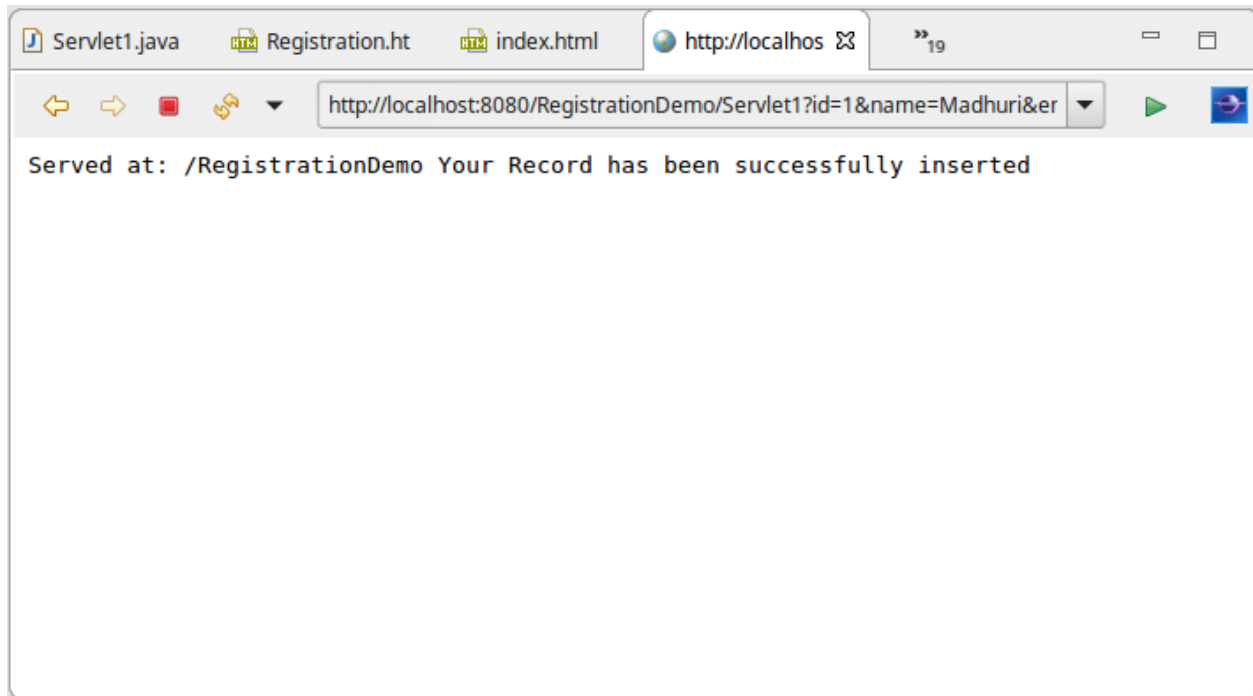Click Next>
Click Finish

Server is Started

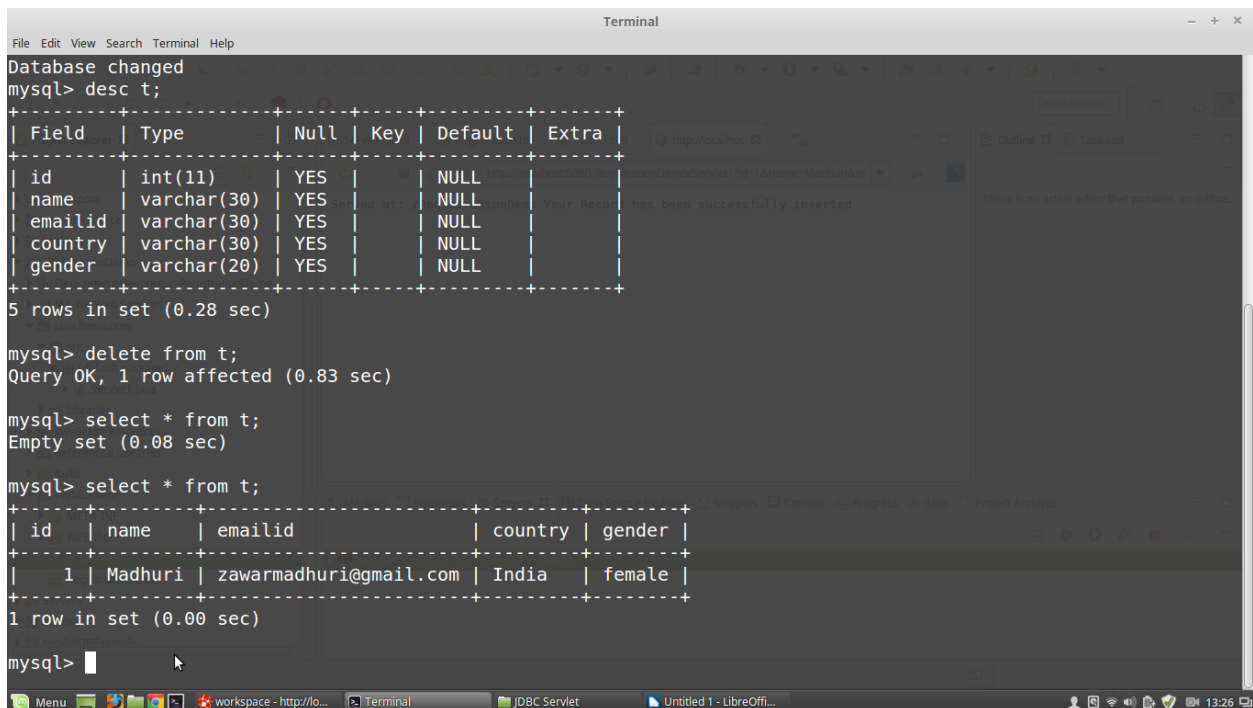Right Click index.html → Run As → 1 Run on Server

Click Registration

Fill Information in form
Click submit

Served at: /RegistrationDemo Your Record has been successfully inserted

select * from t;
Command in MYSQL

Row is inserted in the table in MYSQL

<u>Conclusion</u>:-

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