**Assignment**

**JDBC**

1. **CRUD operations on Employee(EmpId, EName, DOB, salary, phone)**

**Code :**

**Sql :**

create table Employee(empid number(20) primary key,

ename varchar2(20),

dob DATE,

salary number(20),

phone varchar2(20));

**jdbc :**

package jdbcapp.com;

import java.sql.Connection;

import java.sql.Date;

import java.sql.DriverManager;

import java.sql.ResultSet;

import java.sql.SQLException;

import java.sql.Statement;

import oracle.sql.DATE;

public class Employee {

public static void main(String[] args) {

// TODO Auto-generated method stub

String uid="dbuser";

String pwd = "1234";

String url = "jdbc:oracle:thin:@localhost:1521/XE";

Connection con;

try {

Class.forName("oracle.jdbc.driver.OracleDriver");

con = DriverManager.getConnection(url, uid, pwd);

System.out.println("Connected");

ResultSet rs ;

Statement stmt=con.createStatement();

try {

//insert employee record into database

String qry="INSERT INTO Employee VALUES(7,'NISHA',TO\_DATE('25/07/1999','dd/mm/yyyy'),250000,'1234567890')";

System.out.println(stmt.executeUpdate(qry));

}catch(SQLException e) {

System.out.println("unique key value vialotation " + e.getMessage());

}catch(IllegalArgumentException e) {

System.out.println("Invalid date format "+e.getMessage());

}

//update employee record into database

String qry5= "Update employee set salary=31000 where empid=2";

stmt.executeUpdate(qry5);

System.out.println("Rows updated successfully");

//read employee records from database

rs = stmt.executeQuery("Select \* from employee where empid=3");

System.out.println("read employee records from database");

if(rs.next()){

System.out.println("Emp Id : " + rs.getInt("empid") + ", Name : " + rs.getString("ename") + ", Date of Birth : " + rs.getDate("dob")+" salary : "+rs.getInt("salary")+" phone no : "+rs.getString("phone"));

}

//delete employee record from database

String qry6 = "delete from Employee where ename = 'HANISHA'";

stmt.executeUpdate(qry6);

System.out.println("Row deleted succesfully");

con.close();

System.out.println("Disconnected");

}

catch(java.lang.ClassNotFoundException e) {

System.out.println("Oracle Driver not found");

}

catch(SQLException ex) {

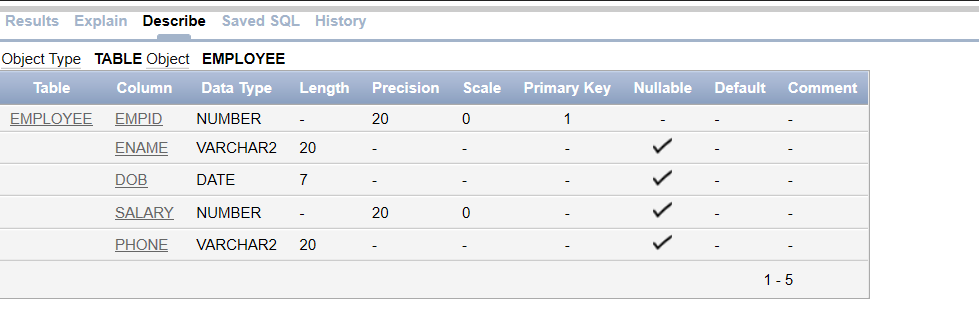
System.out.println("SQLException:" + ex.getMessage());

}

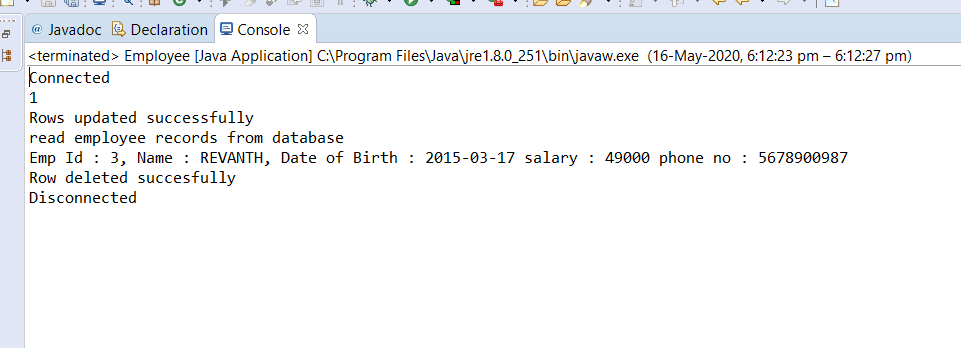
}

}**Output 1:**

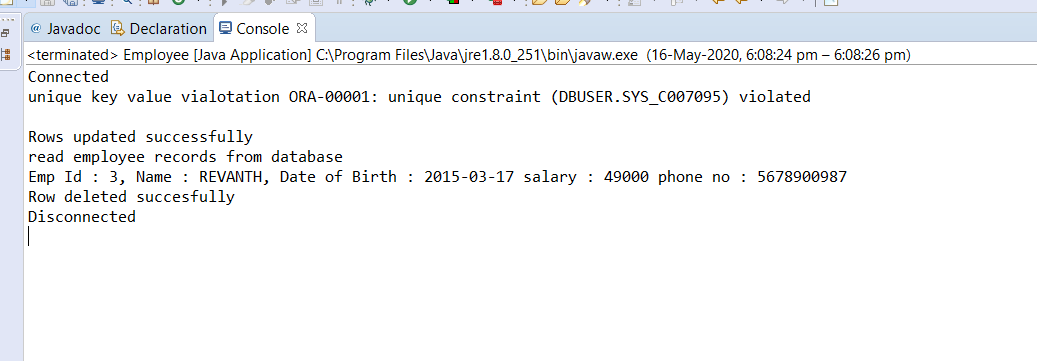
**Employee Table description :**

****

**Output2:**

****

**Output 3:**

****

1. **Modify the above program , so that it uses stored procedure stored procedure for insert , update, delte operations .use callable ststememts to invoke the strored procedure.**

**Code:**

**Sql :**

**//stored procedural statement for insert employee**

CREATE OR REPLACE PROCEDURE insertMyEmployee(EMPID IN NUMBER,

ENAME IN VARCHAR2,

EDOB IN DATE,

ESALARY IN NUMBER,

EPHONE IN VARCHAR2)

IS

BEGIN

INSERT INTO Employee VALUES(EMPID,ENAME,EDOB,ESALARY,EPHONE);

END;

**//stored procedural statement for UPDATE employee**

create or replace procedure updateMyEmployee(EMPID IN NUMBER,

EPHONE IN VARCHAR2)

IS

BEGIN

update Employee set phone=EPHONE where empid=EMPID;//

END;

**//stored procedural statement for DELETE employee**

create or replace procedure deleteMyEmployee(EMPID IN NUMBER)

IS

BEGIN

delete from Employee where empid=EMPID;

END;

**Jdbc :**

**package jdbcapp.com;**

**import java.sql.CallableStatement;**

**import java.sql.Connection;**

**import java.sql.Date;**

**import java.sql.DriverManager;**

**import java.sql.ResultSet;**

**import java.sql.SQLException;**

**public class Employee1 {**

**public static void main(String[] args) {**

**// TODO Auto-generated method stub**

**String uid="dbuser";**

**String pwd = "1234";**

**String url = "jdbc:oracle:thin:@localhost:1521/XE";**

**Connection con;**

**CallableStatement stmt;**

**ResultSet rs;**

**try {**

**Class.forName("oracle.jdbc.driver.OracleDriver");**

**con = DriverManager.getConnection(url, uid, pwd);**

**System.out.println("Connected");**

**//insert employee record into database**

**String qry = "{call insertMyEmployee(?,?,?,?,?)}";**

**stmt=con.prepareCall(qry);**

**try {**

**stmt.setInt(1,18);**

**stmt.setString(2,"Subha");**

**stmt.setDate(3, Date.valueOf("1980-07-29"));**

**stmt.setInt(4,500000);**

**stmt.setString(5, "1234567890");**

**stmt.execute();**

**}catch(SQLException e) {**

**System.out.println("unique key value vialotation " + e.getMessage());**

**}catch(IllegalArgumentException e) {**

**System.out.println("Invalid date format "+e.getMessage());**

**}**

**//update employee record into database**

**String qry1="{call updateMyEmployee(?,?)}";**

**CallableStatement stmt1=con.prepareCall(qry1);**

**stmt1.setInt(1, 9);**

**stmt1.setInt(2,20000000);**

**stmt1.execute();**

**System.out.println("update employee record succesfully into database ");**

**String qry2= "{call deleteMyEmployee(?)}";**

**CallableStatement stmt2=con.prepareCall(qry2);**

**stmt2.setInt(1, 9);**

**System.out.println("delete employee record successfully from datebase");**

**//read employee records from database**

**rs = stmt.executeQuery("Select \* from employee where empid=3");**

**System.out.println("read employee records from database");**

**if(rs.next()){**

**System.out.println("Emp Id : " + rs.getInt("empid") + ", Name : " + rs.getString("ename") + ", Date of Birth : " + rs.getDate("dob")+" salary : "+rs.getInt("salary")+" phone no : "+rs.getString("phone"));**

**}**

**con.close();**

**System.out.println("Disconnected");**

**}**

**catch(java.lang.ClassNotFoundException e) {**

**System.out.println("Oracle Driver not found");**

**}**

**catch(SQLException ex) {**

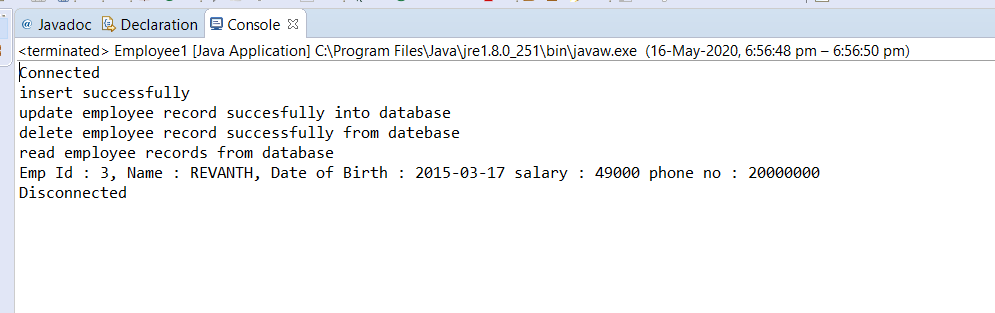
**System.out.println("SQLException:" + ex.getMessage());**

**}**

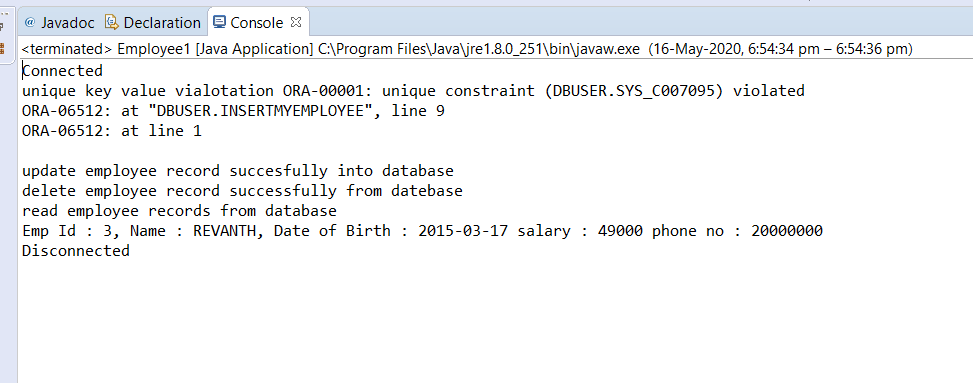
**}**

**}**

**Output 1:**

****

**Output2:**

****

**Servlets**

1. **Results of students**

**Code:**

|  |  |  |  |
| --- | --- | --- | --- |
| import java.io.IOException; import java.io.PrintWriter; import java.sql.Connection; import java.sql.DriverManager; import java.sql.PreparedStatement; import java.sql.ResultSet;  import javax.servlet.ServletException; import javax.servlet.annotation.WebServlet; import javax.servlet.http.HttpServlet; import javax.servlet.http.HttpServletRequest; import javax.servlet.http.HttpServletResponse;  /\*\*  \* Servlet implementation class ResultServlet  \*/ @WebServlet("/ResultServlet") public class ResultServlet extends HttpServlet { private static final long serialVersionUID = 1L;             /\*\*      \* @see HttpServlet#HttpServlet()      \*/     public ResultServlet() {         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.setContentType("Text/HTML"); PrintWriter out=response.getWriter(); String url,username,pwd; PreparedStatement stmt; url="jdbc:oracle:thin:@localhost:1521/orcl2"; username="scott"; pwd="tiger"; try { Class.forName("oracle.jdbc.driver.OracleDriver"); Connection conn=DriverManager.getConnection(url,username,pwd); String query="Select \* from result where regno=?"; stmt=conn.prepareStatement(query); String regno=request.getParameter("regno"); stmt.setString(1, regno); ResultSet rs=stmt.executeQuery(); if(rs.next()) { out.println("<HTML><BODY><TABLE border=1 align='center'>"); out.println("<tr><th>RegisterNumber</th> <th>name</th> <th>Subject1</th> <th>Subject2</th> <th>Subject3</th> <th>Subject4</th>" + "<th>Subject5</th></tr>"); out.println("<br/>"); out.println("<tr><td>"+rs.getString("regno")+"</td><td>"+rs.getString("name")+"</td><td>"+rs.getInt("s1")+"</td><td>"+rs.getInt("s2")+"</td><td>"+rs.getInt("s3")+"</td><td>"+rs.getInt("s4")+"</td><td>"+rs.getInt("s5")); out.println("</TABLE></BODY></HTML>"); } else { System.out.println("Invalid Register Number"); }    rs.close(); out.close(); stmt.close(); conn.close(); } catch(Exception e) { e.printStackTrace(); }   }   /\*\* \* @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); }  }  html  <!DOCTYPE html> <html> <head> <meta charset="ISO-8859-1"> <title>Insert title here</title> </head> <form action="ResultServlet" method="get"> <label>Enter Register Number:</label> <input type="text" name="regno"><br/> <input type="submit" value="SUBMIT"/> <input type="reset" value="RESET"/> </form>  </body> </html>  **Ouput 1:**  **chamu1.PNG**  **Output2 :**  **s1.png**   |  | | --- | |  | |  |  |

1. **User sign up:**

**Code :**

**//signupservlet.java**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| port java.io.IOException; import java.io.PrintWriter; import java.sql.Connection; import java.sql.DriverManager; import java.sql.PreparedStatement;  import javax.servlet.ServletContext; import javax.servlet.ServletException; import javax.servlet.ServletResponse; import javax.servlet.annotation.WebServlet; import javax.servlet.http.HttpServlet; import javax.servlet.http.HttpServletRequest; import javax.servlet.http.HttpServletResponse;  /\*\*  \* Servlet implementation class SignupServlet  \*/ @WebServlet("/SignupServlet") public class SignupServlet extends HttpServlet { private static final long serialVersionUID = 1L;             /\*\*      \* @see HttpServlet#HttpServlet()      \*/     public SignupServlet() {         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 ServletContext context=getServletContext(); // telling what type of data sent to html form response.setContentType("text/html");  PrintWriter out = response.getWriter();  String n=context.getInitParameter("name");  String d=context.getInitParameter("dob");  String g=context.getInitParameter("gender");  String e=context.getInitParameter("email");  String p=context.getInitParameter("phoneno");  String q=context.getInitParameter("qualification");  String add=context.getInitParameter("address");           // try block    try    {    // loading driver class  try{    //"Dyanamically" load the class  Class.*forName*("oracle.jdbc.driver.OracleDriver");    //create a connection object and connect to database  Connection con=DriverManager.*getConnection*("jdbc:oracle:thin:@localhost:1521/XE",  "dbuser","1234");      PreparedStatement ps=con.prepareStatement("insert into registeruser values(?,?,?,?,?,?,?)");    ps.setString(1,name);  ps.setString(2,dob);  ps.setString(3,gender);  ps.setString(4,email);  ps.setString(5,phone);  ps.setString(6,qualification);  ps.setString(7,address);    System.*out*.println(ps.executeUpdate());  out.print(name +" is successfully registered...!");      }catch(java.lang.ClassNotFoundException e) {  System.*out*.println("Oracle Driver not found");  }  catch(SQLException ex) {  System.*out*.println("SQLException:" + ex.getMessage());  }  }  /\*\*  \* @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);  }  }   |  |  | | --- | --- | |  |  | |  |  |

**//Signup .html**

<!DOCTYPE html>

<html>

<head>

<meta charset=*"ISO-8859-1"*>

<title>Sign Up</title>

</head>

<body>

<center><h1>User Registration Form</h1></center>

<form action=*"SignupServlet"* method=*"get"*>

<table border=*"2"* align=*"center"* width=*"450"* height=*"600"* bgcolor=*"lightblue"* >

<tr>

<th>Name:</th>

<td><input type=*"text"* name=*"name"* placeholder=*"Enter Name"* required/></td>

</tr>

<tr>

<th><label for=*"date"*>Date Of Birth:</label></th>

<td><input type=*"date"* name=*"dob"* placeholder=*"Enter date of birth"* ></td>

</tr>

<tr>

<th>Gender:</th>

<td>

Male<input type=*"radio"* name=*"gender"* value=*'male'*/>

Female<input type=*"radio"* name=*"gender"* value=*'female'*/>

</td>

</tr>

<tr>

<th>Email:</th>

<td><input type=*"email"* name=*"email"* placeholder=*"Enter Email"* required></td>

</tr>

<tr>

<th>Phone Number:</th>

<td><input type=*"tel"* name=*"phoneno"* placeholder=*"Enter Phone Number"* ></td>

</tr>

<tr>

<th>Educational Qualification:</th>

<td>

<select name=*"qualification"*>

<option value=*"10 Class"*>10 class</option>

<option value=*"Intermediate"*>Intermediate</option>

<option value=*"BTECH"*>BTECH</option>

<option value=*"MTECH"*>MTECH</option>

</select>

</td>

</tr>

<th>Address : </th>

<td><input type=*'text'* name=*'address'* placeholder=*"Enter Address "*/>

</td>

</tr>

<tr>

<td colspan=*"2"* align=*"center"*>

<input type=*"submit"* name=*"submit"* value=*"SUBMIT"*/>

<input type=*"reset"* name=*"reset"* value=*"RESET"*/>

</td>

</tr>

</table>

</form>

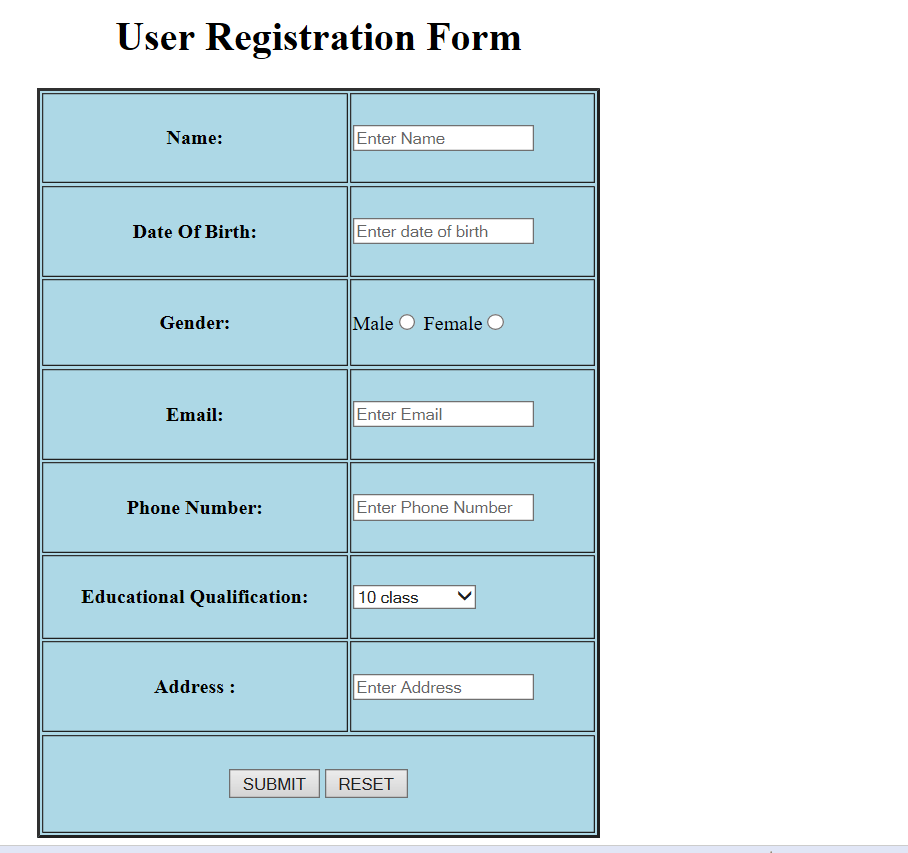
</body>

</html>

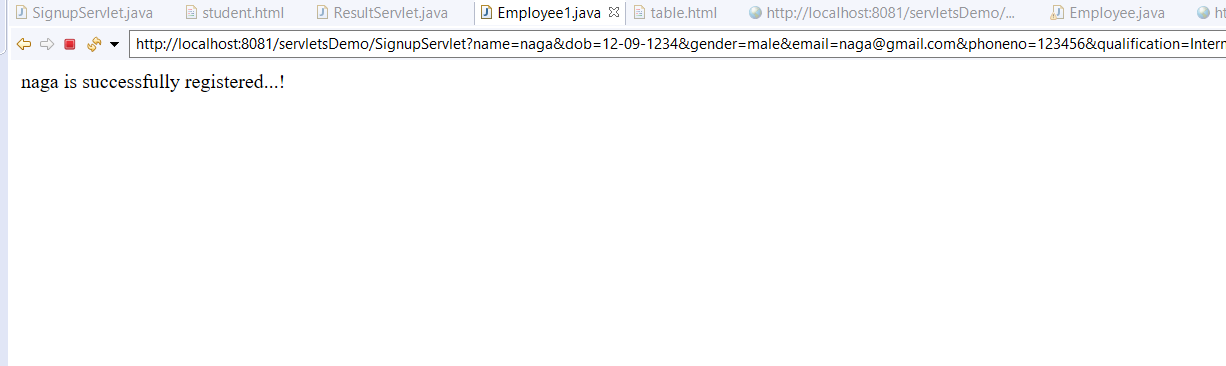
**//web.xml**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| <web-app>      <context-param>         <param-name> name </param-name>         <param-value>mahi</param-value>     </context-param>      <context-param>         <param-name> dob </param-name>         <param-value> 11-09-1999</param-value>     </context-param>         <context-param>         <param-name> gender</param-name>         <param-value>Female</param-value>     </context-param>             <context-param>         <param-name> email </param-name>         <param-value>[mahi1234@gmail.com](mailto:mahi1234@gmail.com)</param-value>     </context-param>         <context-param>         <param-name> phoneno </param-name>         <param-value> 1234567890</param-value>     </context-param>         <context-param>         <param-name> qualification</param-name>         <param-value> intermediate</param-value>     </context-param>         <context-param>         <param-name> address </param-name>         <param-value> chundi</param-value>     </context-param>                  <servlet>         <servlet-name>SignupServlet</servlet-name>         <servlet-class>SignupServlet</servlet-class>     </servlet>      <servlet-mapping>             <servlet-name>SignupServlet</servlet-name>             <url-pattern>SignupServlet</url-pattern>               </servlet-mapping>     <welcome-file-list>          <welcome-file>Signup.html</welcome-file>     </welcome-file-list>             |  |  | | --- | --- | |  |  | |  |  |

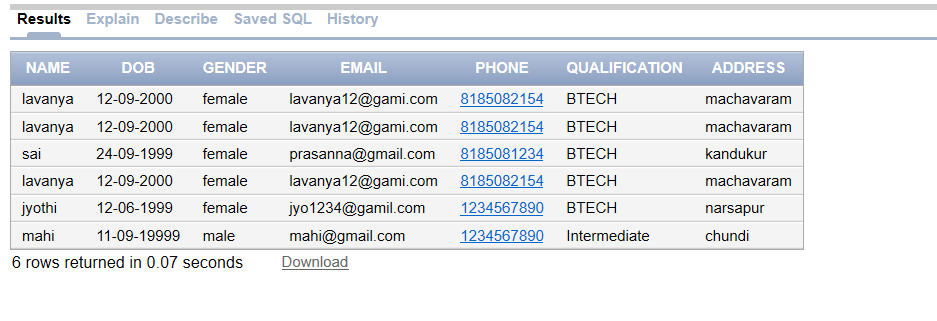
**Ouput 1:registration form**

****

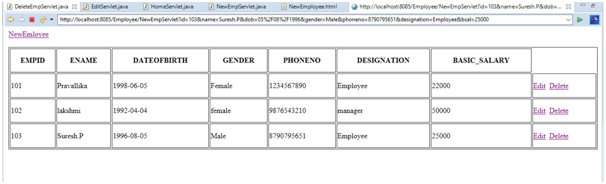
**Output : servlet output**

****

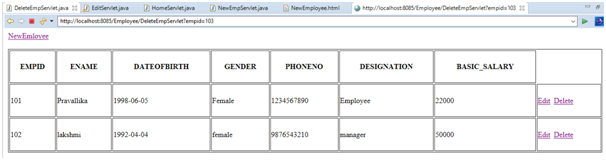
**//database output**

** 3. Employee\_Servlet🡪to display how many employees are there.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Home.html  <!DOCTYPE html> <html> <body> <h1>Employee form</h1> <form action="Request" method="get"> <table border="4"  align="center"  width="450"  height="600"  bgcolor="#C880FF" > <tr> <th>Enter your id:</th> <td><input type="number" name="id" value="id"/></td> </tr> <tr> <th>Enter your name:</th> <td><input type="text" name="name" value='"/></td> </tr> <tr> <th>Enter your date of birth:</th> <td><input type="date" name="dob" value='"/></td> </tr> <tr> <th>Select your gender:</th> <td> Male<input type="radio" name="gender" value='"/> Female<input type="radio" name="gender" value='"/> </td> </tr> <th>Enter  your phone number:</th> <td><input type="number" name="phone" value='"/></td> </tr> <tr> <tr> <th>Select your Designation:</th> <td> <select name="Designation">          <option value="1">production manager</option>          <option value="2">sales manager</option>          <option value="3">administrator officer</option> </select> </td> </tr> <th>Enter your salary:</th> <td><input type="number" name="basicsalary" value='"/></td> </tr> <tr> <tr> <td colspan="4" align="center"> <input type="submit" name="submit" value="SUBMIT"/> <input type="reset" name="reset" value="RESET"/> </td> </tr> </table> </form> <a href="/ServletApp/test">New Employee</a> </body> </html>  HomeServlet.java  import java.io.IOException; import java.io.PrintWriter; import java.sql.Connection; import java.sql.DriverManager; import java.sql.PreparedStatement; import java.sql.ResultSet; import java.util.ArrayList; import java.util.List;  import javax.servlet.ServletException; import javax.servlet.annotation.WebServlet; import javax.servlet.http.HttpServlet; import javax.servlet.http.HttpServletRequest; import javax.servlet.http.HttpServletResponse;  /\*\*  \* Servlet implementation class HomeServlet  \*/ @WebServlet("/HomeServlet") public class HomeServlet extends HttpServlet {  private static final long serialVersionUID = 1L;            /\*\*      \* @see HttpServlet#HttpServlet()      \*/     public HomeServlet() {         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.setContentType("Text/HTML");   PrintWriter out;   out=response.getWriter();   String url,username,pwd;   PreparedStatement stmt;   url="jdbc:oracle:thin:@localhost:1521/oracle";   username="hr";   pwd="Chamu#505";   out.println("<a href='NewEmployee.html'>Add New Employee</a>");   try {    Class.forName("oracle.jdbc.driver.OracleDriver");    Connection conn=DriverManager.getConnection(url,username,pwd);    stmt=conn.prepareStatement("select \* from emp");    ResultSet rs=stmt.executeQuery();    while(rs.next()) {         stmt.setInt (1, 51860128);         stmt.setString (2,"chamu");         stmt.setString(3, "30-dec-99");         stmt.setString(4, "Female");         stmt.setInt(5,987654329);         stmt.setString(6, "Administrative Officer");         stmt.setInt(7, 50000);    }    out.println("<HTML><BODY><form><TABLE border=1 align='center'>");    out.println("<tr><th>EMPID</th><th>ENAME</th> <th>DOB</th>  <th>GENDER</th> <th>PHONE</th> <th>DESIGNATION</th> <th>BASIC\_SAL</th></tr>");    out.println("<br/>");    out.println("<tr><td>"+rs.getInt("empid")+"</td><td>"+rs.getString("ename")+"</td><td>"+rs.getString("dob")+"</td><td>"+rs.getString("gender")+"</td><td>"+rs.getInt("phone")+"</td><td>"+rs.getString("designation")+"</td><td>"+rs.getInt("Basic salary")+"</tr></td>");     out.println("<td><a href='EditServlet?id="+rs.getInt("empid")+">Edit</a></td>");     out.println("<td><a href='DeleteServlet?id="+rs.getInt("empid")+">Delete</a></td></tr>");     out.println("</TABLE></form></BODY></HTML>");       rs.close();    out.close();    stmt.close();    conn.close();   }   catch(Exception e) {    e.printStackTrace();   }  }   /\*\*   \* @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);  }  }  DeleteServlet.java  import java.io.IOException; import java.io.PrintWriter; import java.sql.Connection; import java.sql.DriverManager; import java.sql.PreparedStatement; import java.sql.ResultSet; import java.util.ArrayList; import java.util.List;  import javax.servlet.ServletException; import javax.servlet.annotation.WebServlet; import javax.servlet.http.HttpServlet; import javax.servlet.http.HttpServletRequest; import javax.servlet.http.HttpServletResponse;  /\*\*  \* Servlet implementation class HomeServlet  \*/ @WebServlet("/HomeServlet") public class HomeServlet extends HttpServlet {  private static final long serialVersionUID = 1L;            /\*\*      \* @see HttpServlet#HttpServlet()      \*/     public HomeServlet() {         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.setContentType("Text/HTML");   PrintWriter out;   out=response.getWriter();   String url,username,pwd;   PreparedStatement stmt;   url="jdbc:oracle:thin:@localhost:1521/oracle";   username="hr";   pwd="Chamu#505";   out.println("<a href='NewEmployee.html'>Add New Employee</a>");   try {    Class.forName("oracle.jdbc.driver.OracleDriver");    Connection conn=DriverManager.getConnection(url,username,pwd);    stmt=conn.prepareStatement("select \* from emp");    ResultSet rs=stmt.executeQuery();    while(rs.next()) {         stmt.setInt (1, 51860128);         stmt.setString (2,"chamu");         stmt.setString(3, "30-dec-99");         stmt.setString(4, "Female");         stmt.setInt(5,987654329);         stmt.setString(6, "Administrative Officer");         stmt.setInt(7, 50000);    }    out.println("<HTML><BODY><form><TABLE border=1 align='center'>");    out.println("<tr><th>EMPID</th><th>ENAME</th> <th>DOB</th>  <th>GENDER</th> <th>PHONE</th> <th>DESIGNATION</th> <th>BASIC\_SAL</th></tr>");    out.println("<br/>");    out.println("<tr><td>"+rs.getInt("empid")+"</td><td>"+rs.getString("ename")+"</td><td>"+rs.getString("dob")+"</td><td>"+rs.getString("gender")+"</td><td>"+rs.getInt("phone")+"</td><td>"+rs.getString("designation")+"</td><td>"+rs.getInt("Basic salary")+"</tr></td>");     out.println("<td><a href='EditServlet?id="+rs.getInt("empid")+">Edit</a></td>");     out.println("<td><a href='DeleteServlet?id="+rs.getInt("empid")+">Delete</a></td></tr>");     out.println("</TABLE></form></BODY></HTML>");       rs.close();    out.close();    stmt.close();    conn.close();   }   catch(Exception e) {    e.printStackTrace();   }  }   /\*\*   \* @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);  }  }  EditServlet1.java  import java.io.IOException; import java.io.PrintWriter; import java.sql.Connection; import java.sql.DriverManager; import java.sql.PreparedStatement; import java.sql.ResultSet; import java.util.ArrayList; import java.util.List;  import javax.servlet.ServletException; import javax.servlet.annotation.WebServlet; import javax.servlet.http.HttpServlet; import javax.servlet.http.HttpServletRequest; import javax.servlet.http.HttpServletResponse;  /\*\*  \* Servlet implementation class EditServlet1  \*/ @WebServlet("/EditServlet1") public class EditServlet1 extends HttpServlet {  private static final long serialVersionUID = 1L;            /\*\*      \* @see HttpServlet#HttpServlet()      \*/     public EditServlet1() {         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.setContentType("text/html");          PrintWriter out=response.getWriter();          out.println("<h1>Update Employee</h1>");          String eid=request.getParameter("id");          int empid=Integer.parseInt(eid);          response.setContentType("Text/HTML");   String url,username,pwd;   PreparedStatement stmt;   url="jdbc:oracle:thin:@localhost:1521/oracle";   username="hr";   pwd="Chamu#505";   try {    Class.forName("oracle.jdbc.driver.OracleDriver");    Connection conn=DriverManager.getConnection(url,username,pwd);    stmt=conn.prepareStatement("select \* from EMPLOYEEE where empid=?");    ResultSet rs=stmt.executeQuery();     stmt.setInt (1, 51860128);        stmt.setString (2,"durga");        stmt.setString(3, "30-feb-98");        stmt.setString(4, "Female");        stmt.setInt(5,986574390);        stmt.setString(6, "sales manager");        stmt.setInt(7, 70000);                   out.print("<form action='EditServlet' method='get'>");          out.println("<HTML><BODY><TABLE border=1 align='center'>");   out.println("<tr><th>EMPID</th><th>ENAME</th> <th>DOB</th>  <th>GENDER</th> <th>PHONE</th> <th>DESIGNATION</th> <th>BASIC\_SAL</th></tr>");   out.println("<br/>");   out.println("<tr><td>"+rs.getInt("empid")+"</td><td>"+rs.getString("ename")+"</td><td>"+rs.getString("dob")+"</td><td>"+rs.getString("gender")+"</td><td>"+rs.getInt("phone")+"</td><td>"+rs.getString("designation")+"</td><td>"+rs.getInt("Basic salary")+"</tr></td>");out.println("<td><a href='EditServlet?id="+rs.getInt("empid")+">Edit</a></td>");   out.println("<td><a href='DeleteServlet?id="+rs.getInt("empid")+">Delete</a></td></tr>");   out.println("</TABLE></form></BODY></HTML>");   conn.close();    }       catch(Exception e) {     e.printStackTrace();    }  }   /\*\*   \* @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);  }  }  EditServlet.java  import java.sql.Connection; import java.sql.DriverManager; import java.sql.PreparedStatement; 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;  /\*\*  \* Servlet implementation class EditServlet  \*/ @WebServlet("/EditServlet") public class EditServlet extends HttpServlet {  private static final long serialVersionUID = 1L;            /\*\*      \* @see HttpServlet#HttpServlet()      \*/     public EditServlet() {         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.setContentType("Text/HTML");   PrintWriter out;   out=response.getWriter();   String url,username,pwd;   PreparedStatement stmt;   url="jdbc:oracle:thin:@localhost:1521/oracle";   username="hr";   pwd="Chamu#505";    int status=0;          try{            Class.forName("oracle.jdbc.driver.OracleDriver");        Connection conn=DriverManager.getConnection(url,username,pwd);               stmt=conn.prepareStatement("update EMPLOYEEE set name=?,dob=?,gender=?,phone=? ,designation=?,basicsalary=? where id=?");             stmt.setInt (1, 51860128);       stmt.setString (2,"chamu");       stmt.setString(3, "30-dec-99");       stmt.setString(4, "Female");       stmt.setInt(5,987654329);       stmt.setString(6, "Administrative Officer");       stmt.setInt(7, 50000);             status=stmt.executeUpdate();             if(status>0) {              response.sendRedirect("HomeServlet");             }             else {              out.println("Sorry!unable to update record");             }             stmt.close();             conn.close();            }       catch(Exception e) {      e.printStackTrace();     }  }   /\*\*   \* @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);  }  }  Output :  //insert employee details  image (1).png  //edit employee details   |  |  | | --- | --- | |  |  | |  |

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//delete employee details

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