

CLA 7:

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Section :- B

index.html

```
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
  <h1>Add New Employee</h1>
  <form action="SaveServlet" method="post">
    <table>
      <tr><td>Name:</td><td><input type="text" name="name"/></td></tr>
      <tr><td>Password:</td><td><input type="password" name="password"/></td></tr>
      <tr><td>Email:</td><td><input type="email" name="email"/></td></tr>
      <tr><td>Country:</td><td>
        <select name="country" style="width:150px">
          <option>India</option>
          <option>USA</option>
          <option>UK</option>
          <option>Other</option>
        </select>
      </td></tr>
      <tr><td colspan="2"><input type="submit" value="Save Employee"/></td></tr>
    </table>
  </form> <br/> <a href="ViewServlet">view employees</a>
</body>
</html>
```

Emp.java

```
public class Emp {  
    private int id;  
    private String name,password,email,country;  
    public int getId() {  
        return id;  
    }  
    public void setId(int id) {  
        this.id = id;  
    }  
    public String getName() {  
        return name;  
    }  
    public void setName(String name) {  
        this.name = name;  
    }  
    public String getPassword() {  
        return password;  
    }  
    public void setPassword(String password) {  
        this.password = password;  
    }  
    public String getEmail() {  
        return email;  
    }  
    public void setEmail(String email) {  
        this.email = email;  
    }  
    public String getCountry() {  
        return country;  
    }  
    public void setCountry(String country) {  
        this.country = country;  
    }  
}
```

EmpDao.java

```
import java.util.*;
import java.sql.*;

public class EmpDao {

    public static Connection getConnection(){
        Connection con=null;
        try{
            Class.forName("oracle.jdbc.driver.OracleDriver");
            con=DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:xe","
system","oracle");
        }catch(Exception e){System.out.println(e);}
        return con;
    }

    public static int save(Emp e){
        int status=0;
        try{
            Connection con=EmpDao.getConnection();
            PreparedStatement ps=con.prepareStatement(
                "insert into user905(name,password,email,country) values (?,?,,?)");
;
            ps.setString(1,e.getName());
            ps.setString(2,e.getPassword());
            ps.setString(3,e.getEmail());
            ps.setString(4,e.getCountry());

            status=ps.executeUpdate();

            con.close();
        }catch(Exception ex){ex.printStackTrace();}

        return status;
    }

    public static int update(Emp e){
```

```

    int status=0;
    try{
        Connection con=EmpDao.getConnection();
        PreparedStatement ps=con.prepareStatement(
            "update user905 set name=?,password=?,email=?,country=? wher
e id=?");
        ps.setString(1,e.getName());
        ps.setString(2,e.getPassword());
        ps.setString(3,e.getEmail());
        ps.setString(4,e.getCountry());
        ps.setInt(5,e.getId());

        status=ps.executeUpdate();

        con.close();
    }catch(Exception ex){ex.printStackTrace();}

    return status;
}

public static int delete(int id){
    int status=0;
    try{
        Connection con=EmpDao.getConnection();
        PreparedStatement ps=con.prepareStatement("delete from user905 where
id=?");
        ps.setInt(1,id);
        status=ps.executeUpdate();

        con.close();
    }catch(Exception e){e.printStackTrace();}

    return status;
}

public static Emp getEmployeeById(int id){
    Emp e=new Emp();

    try{

```

```

        Connection con=EmpDao.getConnection();
        PreparedStatement ps=con.prepareStatement("select * from user905 wher
e id=?");
        ps.setInt(1,id);
        ResultSet rs=ps.executeQuery();
        if(rs.next()){
            e.setId(rs.getInt(1));
            e.setName(rs.getString(2));
            e.setPassword(rs.getString(3));
            e.setEmail(rs.getString(4));
            e.setCountry(rs.getString(5));
        }
        con.close();
    }catch(Exception ex){ex.printStackTrace();}

    return e;
}

public static List<Emp> getAllEmployees(){
    List<Emp> list=new ArrayList<Emp>();

    try{
        Connection con=EmpDao.getConnection();
        PreparedStatement ps=con.prepareStatement("select * from user905");
        ResultSet rs=ps.executeQuery();
        while(rs.next()){
            Emp e=new Emp();
            e.setId(rs.getInt(1));
            e.setName(rs.getString(2));
            e.setPassword(rs.getString(3));
            e.setEmail(rs.getString(4));
            e.setCountry(rs.getString(5));
            list.add(e);
        }
        con.close();
    }catch(Exception e){e.printStackTrace();}

    return list;
}

```

```
}  
}
```

SaveServlet.java

```
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;  
@WebServlet("/SaveServlet")  
public class SaveServlet extends HttpServlet {  
    protected void doPost(HttpServletRequest request, HttpServletResponse response)  
        throws ServletException, IOException {  
        response.setContentType("text/html");  
        PrintWriter out=response.getWriter();  
  
        String name=request.getParameter("name");  
        String password=request.getParameter("password");  
        String email=request.getParameter("email");  
        String country=request.getParameter("country");  
  
        Emp e=new Emp();  
        e.setName(name);  
        e.setPassword(password);  
        e.setEmail(email);  
        e.setCountry(country);  
  
        int status=EmpDao.save(e);  
        if(status>0){  
            out.print("<p>Record saved successfully!</p>");  
            request.getRequestDispatcher("index.html").include(request, response);  
        }else{  
            out.println("Sorry! unable to save record");  
        }  
    }  
}
```

```

        out.close();
    }

}

```

EditServlet.java

```

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;

@WebServlet("/EditServlet")
public class EditServlet extends HttpServlet {
    protected void doGet(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException {
        response.setContentType("text/html");
        PrintWriter out=response.getWriter();
        out.println("<h1>Update Employee</h1>");
        String sid=request.getParameter("id");
        int id=Integer.parseInt(sid);

        Emp e=EmpDao.getEmployeeById(id);

        out.print("<form action='EditServlet2' method='post'>");
        out.print("<table>");
        out.print("<tr><td></td><td><input type='hidden' name='id' value='"+e.getId()+
"/></td></tr>");
        out.print("<tr><td>Name:</td><td><input type='text' name='name' value='"+e.g
etName()+"/></td></tr>");
        out.print("<tr><td>Password:</td><td><input type='password' name='password'
value='"+e.getPassword()+"/>
        </td></tr>");
    }
}

```

```

        out.print("<tr><td>Email:</td><td><input type='email' name='email' value='"+e.
getEmail()+"'/></td></tr>");
        out.print("<tr><td>Country:</td><td>");
        out.print("<select name='country' style='width:150px'>");
        out.print("<option>India</option>");
        out.print("<option>USA</option>");
        out.print("<option>UK</option>");
        out.print("<option>Other</option>");
        out.print("</select>");
        out.print("</td></tr>");
        out.print("<tr><td colspan='2'><input type='submit' value='Edit & Save '/></td><
/tr>");
        out.print("</table>");
        out.print("</form>");

        out.close();
    }
}

```

EditServlet2.java

```

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;
@WebServlet("/EditServlet2")
public class EditServlet2 extends HttpServlet {
    protected void doPost(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException {
        response.setContentType("text/html");
        PrintWriter out=response.getWriter();
    }
}

```



```

String sid=request.getParameter("id");
int id=Integer.parseInt(sid);
String name=request.getParameter("name");
String password=request.getParameter("password");
String email=request.getParameter("email");
String country=request.getParameter("country");

Emp e=new Emp();
e.setld(id);
e.setName(name);
e.setPassword(password);
e.setEmail(email);
e.setCountry(country);

int status=EmpDao.update(e);
if(status>0){
    response.sendRedirect("ViewServlet");
}else{
    out.println("Sorry! unable to update record");
}

out.close();
}

}

```

DeleteServlet.java

```

import java.io.IOException;
import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
@WebServlet("/DeleteServlet")
public class DeleteServlet extends HttpServlet {
    protected void doGet(HttpServletRequest request, HttpServletResponse response)

```

```

        throws ServletException, IOException {
    String sid=request.getParameter("id");
    int id=Integer.parseInt(sid);
    EmpDao.delete(id);
    response.sendRedirect("ViewServlet");
    }
}

```

ViewServlet.java

```

import java.io.IOException;
import java.io.PrintWriter;
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;
@WebServlet("/ViewServlet")
public class ViewServlet extends HttpServlet {
    protected void doGet(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException {
        response.setContentType("text/html");
        PrintWriter out=response.getWriter();
        out.println("<a href='index.html'>Add New Employee</a>");
        out.println("<h1>Employees List</h1>");

        List<Emp> list=EmpDao.getAllEmployees();

        out.print("<table border='1' width='100%'>");
        out.print("<tr><th>Id</th><th>Name</th><th>Password</th><th>Email</th><th>Country</th><th>Edit</th><th>Delete</th></tr>");
        for(Emp e:list){
            out.print("<tr><td>" +e.getId()+"</td><td>" +e.getName()+"</td><td>" +e.getPassword()+"</td>");

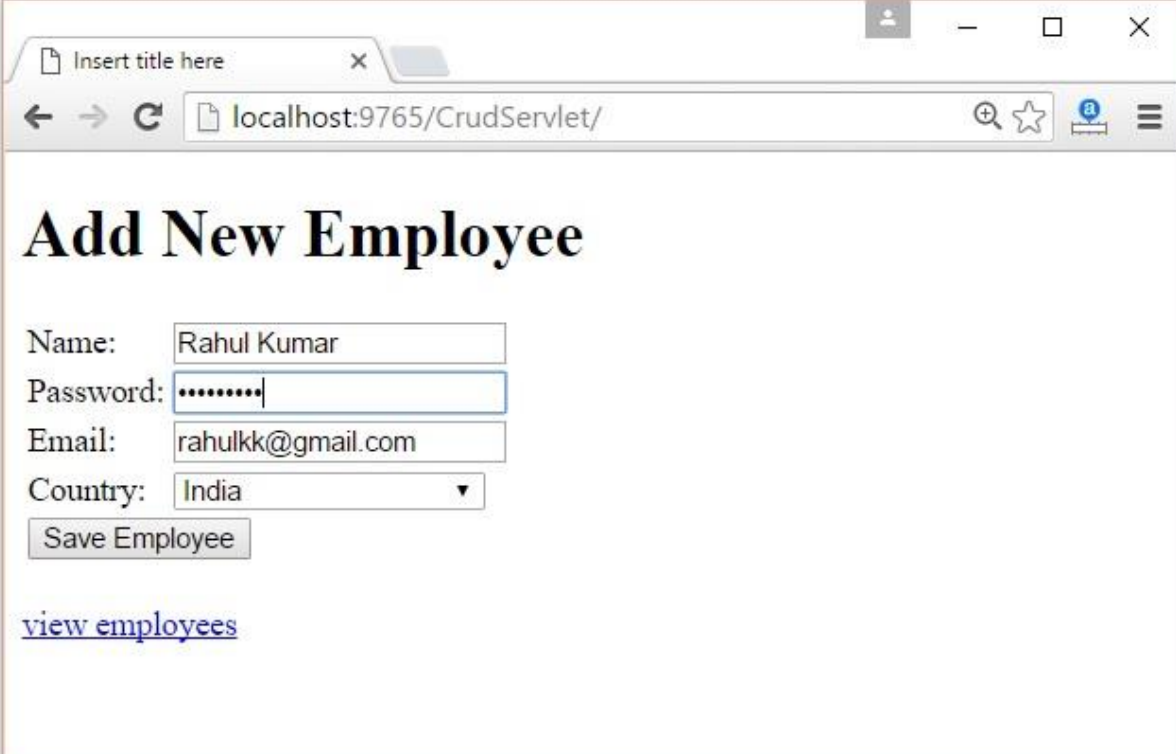
```

```

        <td>"+e.getEmail()+"</td> <td>"+e.getCountry()+"</td> <td> <a href='EditS
ervlet?id="+e.getId()+">edit</a> </td>
        <td> <a href='DeleteServlet?id="+e.getId()+">delete</a> </td> </tr>");
    }
    out.print("</table>");

    out.close();
}
}

```



The screenshot shows a web browser window with the address bar displaying 'localhost:9765/CrudServlet/'. The page title is 'Insert title here'. The main heading is 'Add New Employee'. Below the heading, there is a form with the following fields:

- Name:
- Password:
- Email:
- Country: (with a dropdown arrow)

Below the form fields is a button labeled 'Save Employee'. At the bottom of the page, there is a link labeled 'view employees'.

Insert title here

localhost:9765/CrudServlet/SaveServlet

Record saved successfully!

Add New Employee

Name:

Password:

Email:

Country:

[view employees](#)

localhost:9765/CrudServlet

localhost:9765/CrudServlet/ViewServlet

[Add New Employee](#)

Employees List

Id	Name	Password	Email	Country	Edit	Delete
63	Amit Kumar	amtkmj45	amitkumar@gmail.com	India	edit	delete
61	Rahul Kumar	rahul4000	rahulkk@gmail.com	India	edit	delete
62	Sonoo Jaiswal	sonoobsk	sonoojaiswal1987@gmail.com	India	edit	delete
44	adarsh kumar	kkkkk	adarsh232@gmail.com	India	edit	delete

localhost:9765/CrudServle x

localhost:9765/CrudServlet/EditServlet?id=63

Update Employee

Name:

Password:

Email:

Country:

localhost:9765/CrudServle x

localhost:9765/CrudServlet/ViewServlet

[Add New Employee](#)

Employees List

Id	Name	Password	Email	Country	Edit	Delete
63	Amit Kumar Rana	amtknj45	amitkumar12@gmail.com	India	edit	delete
61	Rahul Kumar	rahul4000	rahulkk@gmail.com	India	edit	delete
62	Sonoo Jaiswal	sonoobsk	sonoojaiswal1987@gmail.com	India	edit	delete
44	adarsh kumar	kkkkk	adarsh232@gmail.com	India	edit	delete

localhost:9765/CrudServle x

localhost:9765/CrudServlet/ViewServlet

[Add New Employee](#)

Employees List

Id	Name	Password	Email	Country	Edit	Delete
63	Amit Kumar Rana	amtkmj45	amitkumar12@gmail.com	India	edit	delete
61	Rahul Kumar	rahul4000	rahulkk@gmail.com	India	edit	delete
62	Sonoo Jaiswal	sonoobsk	sonoojaiswal1987@gmail.com	India	edit	delete