

MCA-I
CA863- Enterprise Computing using Java EE

Sessional Practical Exam-2023

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Set – I

Q.1) Write a JSP code to accept the login details: ID, Name, Password, Email for registration for the Student of MCA of CMPICA Dept. On the successful login the user should redirect to Dashboard where the page should accept the marks of three subjects of MCAI (marks1,marks2,marks3). Write Servlet/JSP application to insert data and display all data. Also, In display each record contains link to calculate total and percentage of particular student.

Table

create table studPr(Id varchar2(15) primary key,name varchar2(30),email varchar2(30),Password varchar2(8),
Marks1 number,
Marks2 number,
Marks4 number);

RegSet1.jsp

```
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
  <head>
    <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
    <title>JSP Page</title>
  </head>

  <body bgcolor="pink">
    <center>
      <h1>Registration form</h1>
      <br>
      <form action="regdata1">
        Id: <input type="text" name="studid"> <br> <br>
        Name: <input type="text" name="studname"> <br> <br>
        Email: <input type="text" name="studemail"> <br> <br>
        Password: <input type="password" name="pass"> <br> <br>
        <input type="submit" value="register">
      </form>

      <br><br>
      <a href="Loginset1.jsp">Alredy have an account??</a>

    </center>
```

```
</body>
</html>
```

regdata1.java(servlet)

```
package SetsSol;
```

```
import jakarta.servlet.RequestDispatcher;
import jakarta.servlet.ServletException;
import jakarta.servlet.http.HttpServlet;
import jakarta.servlet.http.HttpServletRequest;
import jakarta.servlet.http.HttpServletResponse;
import java.io.IOException;
import java.io.PrintWriter;
import java.sql.*;
```

```
public class regdata1 extends HttpServlet {
```

```
    @Override
```

```
    protected void doGet(HttpServletRequest req, HttpServletResponse resp) throws ServletException,
IOException {
```

```
        resp.setContentType("text/html");
```

```
        String id = req.getParameter("studid");
```

```
        String name = req.getParameter("studname");
```

```
        String email = req.getParameter("studemail");
```

```
        String pass = req.getParameter("pass");
```

```
        PrintWriter out = resp.getWriter();
```

```
        Connection con = null;
```

```
        try{
```

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

```
            con =DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:XE","system","sys");
```

```
            String query = "insert into studPr(Id,name,email>Password) values"
```

```
                + "(" + id + "," + name + "," + email + "," + pass + ")";
```

```
            Statement stmt = con.createStatement();
```

```
            int i = stmt.executeUpdate(query);
```

```
            if(i==1)
```

```
            {
```

```
                RequestDispatcher rd = req.getRequestDispatcher("Loginset1.jsp");
```

```
                rd.forward(req, resp);
```

```
            }
```

```
            else
```

```
            {
```

```
                out.println("Registration error try again!!");
```

```
                RequestDispatcher rd = req.getRequestDispatcher("RegSet1.jsp");
```

```
                rd.include(req, resp);
```

```
            }
```

```

        stmt.close();
        con.close();
    }
    catch(Exception e)
    {
        System.out.println(e);
    }
}
}

```

Loginset1.jsp

```

<%@page contentType="text/html" pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
    <head>
        <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
        <title>JSP Page</title>
    </head>
    <body bgcolor="pink">
        <center>
            <h1>Login</h1>
            <br>
            <form action="Lvalidation1">
                Id: <input type="text" name="studid"> <br> <br>
                Password: <input type="password" name="pass"> <br> <br>
                <input type="submit" value="Login">
            </form>

            <br><br>
            <a href="RegSet1.jsp">create new account??</a>

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

```

Lvalidation1.java(servlet)

```

package SetsSol;

import jakarta.servlet.RequestDispatcher;
import jakarta.servlet.ServletException;
import jakarta.servlet.http.HttpServlet;
import jakarta.servlet.http.HttpServletRequest;
import jakarta.servlet.http.HttpServletResponse;
import jakarta.servlet.http.HttpSession;
import java.io.IOException;
import java.io.PrintWriter;
import java.sql.*;

```

```

public class Lvalidation1 extends HttpServlet {

    @Override
    protected void doGet(HttpServletRequest req, HttpServletResponse resp) throws ServletException,
IOException {
        resp.setContentType("text/html");
        String id = req.getParameter("studid");
        String pass = req.getParameter("pass");
        PrintWriter out = resp.getWriter();
        Connection con = null;
        int result =0;
        try{
            Class.forName("oracle.jdbc.OracleDriver");

            con = DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:XE","system","sys");
            String query= "select * from studPr";
            Statement stmt = con.createStatement();
            ResultSet rs = stmt.executeQuery(query);
            while(rs.next())
            {
                if(rs.getString("Id").equals(id) && rs.getString("Password").equals(pass))
                {
                    result =1;
                    HttpSession session = req.getSession();
                    session.setAttribute("Id", id);

                    break;
                }
            }
            if(result ==1)
            {
                RequestDispatcher rd = req.getRequestDispatcher("DashboradStudMarks.jsp");
                rd.forward(req, resp);
            }
            else
            {
                out.println("Invliad id password try agian!!");
                RequestDispatcher rd = req.getRequestDispatcher("Loginset3.jsp");
                rd.include(req, resp);
            }

        }
        catch(Exception e)
        {
            System.out.println(e);
        }

    }

}

```

DashboradStudMarks.jsp

```
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
  <head>
    <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
    <title>JSP Page</title>
  </head>
  <body bgcolor="pink">
    <center>
      <h1>Dashborad</h1>
      <form action="studmarksData">
        Enter all subject marks out of 100 <br><br>
        Java <input type="text" name="java">
        <br><br>
        NoSql <input type="text" name="nosql" >
        <br><br>
        Cloud computing <input type="text" name="cc">
        <br><br>
        <input type="submit" value="submit">
      </form>
    </center>
  </body>
</html>
```

studmarksData.java(servlet)

```
package SetsSol;
```

```
import jakarta.servlet.RequestDispatcher;
import jakarta.servlet.ServletException;
import jakarta.servlet.http.HttpServlet;
import jakarta.servlet.http.HttpServletRequest;
import jakarta.servlet.http.HttpServletResponse;
import jakarta.servlet.http.HttpSession;
import java.io.IOException;
import java.io.PrintWriter;
import java.sql.*;
```

```
public class studmarksData extends HttpServlet {
```

```
    @Override
```

```
    protected void doGet(HttpServletRequest req, HttpServletResponse resp) throws ServletException,
    IOException {
```

```
        resp.setContentType("text/html");
        int marks1 = Integer.parseInt(req.getParameter("java"));
        int marks2 = Integer.parseInt(req.getParameter("nosql"));
        int marks3 = Integer.parseInt(req.getParameter("cc"));
```

```

HttpSession session = req.getSession();

String id =(String) session.getAttribute("Id");
PrintWriter out = resp.getWriter();
Connection con = null;
int result =0;
try{
    Class.forName("oracle.jdbc.OracleDriver");

    con = DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:XE","system","sys");
    String query= "update studPr set Marks1=" +marks1 +",Marks2 = " +
        marks2 + ",Marks4 = " + marks3 + " where Id = '" + id + "'";
    Statement stmt = con.createStatement();
    stmt.executeUpdate(query);

    stmt.close();
    con.close();

    resp.sendRedirect("StudMarkslist.jsp?id=" + id );

}
catch(Exception e)
{
    System.out.println(e);
}

}
}

```

StudMarkslist.jsp

```

<%@page import="java.sql.*" %>
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
    <head>
        <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
        <title>JSP Page</title>
    </head>
    <body bgcolor="pink">
        <center>

        <%
            String id = request.getParameter("id");
            Connection con= null;
            String Id = "";
            String name="";
            String M1 ="";
            String M2="";
            String M3="";

```

```

try{

    Class.forName("oracle.jdbc.OracleDriver");
    con = DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:XE","system","sys");
    String query = "select * from studPr where Id = '" + id + "'";
    Statement stmt = con.createStatement();

    ResultSet rs = stmt.executeQuery(query);
    while(rs.next())
    {
        Id= rs.getString("Id");
        name = rs.getString("name");
        M1 = rs.getString("Marks1");
        M2 = rs.getString("Marks2");
        M3 = rs.getString("Marks4");

    }
    %>

    Welcome <%=name%>
    <br> id: <%=Id%>
    <br>

    <h6>All subject Marks </h6>
    <table border="1">

        <tr>
            <th>Java Marks</th>
            <th>NoSql Marks</th>
            <th>Cloud computing Marks</th>
            <th>Percentage count</th>
        </tr>

        <tr>
            <td><%=M1%></td>
            <td><%=M2%></td>
            <td><%=M3%></td>
            <td><a href="StudPr.jsp?Id= <%=Id %> &user= <%=name
%>&M1=<%=M1%>&M2=<%=M2%>&M3=<%=M3%> " >Calculate pr</a></td>
        </tr>

    </table>
    <%
    stmt.close();
    con.close();

    }
    catch(Exception e)
    {
        System.out.println(e);
    }
}

```

```

    }

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

```

StudPr.jsp

```

<%@page contentType="text/html" pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
  <head>
    <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
    <title>JSP Page</title>
  </head>
  <body bgcolor="pink">
    <%
      String name = request.getParameter("user");
      String Id = request.getParameter("Id");
      int marks1 = Integer.parseInt(request.getParameter("M1"));
      int marks2 = Integer.parseInt(request.getParameter("M2"));
      int marks3 = Integer.parseInt(request.getParameter("M3"));

      int total= marks1 + marks2 +marks3;
      double pr = (total/300.0)*100;

    %>

    <center>
      <br><br>
      <b> Name: <%=name%> <br>
      Id: <%=Id%> <br></b>

      <br><br>

      Java Marks :<%=marks1%> <br>
      Nosql Marks :<%=marks2%> <br>
      Cloud computing Marks :<%=marks3%> <br>

      <br><br><!-- comment -->

      Total : <%=total%>
      <br><!-- comment -->
      Percentage : <%=pr%>

    </center>

```



</body>
</html>

Registration form

Id:

Name:


Email:

Password: 

[Alredy have an account??](#)

Login

Id:

Password: 

[create new account??](#)

Dashborad

Enter all subject marks out of 100

Java

NoSql

Cloud computing

Welcome Harsh
id: 23MCA002

All subject Marks

Java Marks	NoSql Marks	Cloud computing Marks	Percentage count
89	78	98	Calculate pr

Name: Harsh
Id: 23MCA002

Java Marks :89
Nosql Marks :78
Cloud computing Marks :98

Total : 265
Percentage : 88.33333333333333

Set – II

Q.2) Write a CRUD application to create Login page which accept username & password from the user then compare the credentials of user from Database, if the credentials are valid then redirect to List page otherwise control should be on the Login Page. Login page should accept the details of emp as: Id, Name, DOB, Address , Dept . On the List page handle create, insert, update and delete operation on Employee Table and display the details on List page using Servlet.(Assume suitable table structure)

Login reg list update insert

Table code:

create table Emplogin (Username varchar2(30),password varchar2(30))

create table Employee(EID number primary key,
Ename varchar2(15),
DOB varchar2(25),
Eadd varchar2(30),
EDEPT varchar2(40)
);

Regset2.jsp

```
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
  <head>
    <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
    <title>JSP Page</title>
  </head>

  <body bgcolor="orange">
    <center>
      <h1>Registration form</h1>
      <br>
      <form action="regdata2">
        UserName <input type="text" name="empuser"> <br> <br>
        Password <input type="password" name="emppass"> <br> <br>

        <input type="submit" value="register">
      </form>
```

```

        <br><br>
        <a href="Loginset2.jsp">Alredy have an account??</a>

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

```

regdata2.java(servlet)

```
package SetsSol;
```

```

import jakarta.servlet.RequestDispatcher;
import jakarta.servlet.ServletException;
import jakarta.servlet.http.HttpServlet;
import jakarta.servlet.http.HttpServletRequest;
import jakarta.servlet.http.HttpServletResponse;
import java.io.IOException;
import java.io.PrintWriter;
import java.sql.*;

```

```
public class regdata2 extends HttpServlet {
```

```

    @Override
    protected void doGet(HttpServletRequest req, HttpServletResponse resp)
throws ServletException, IOException {
        resp.setContentType("text/html");
        String Username= req.getParameter("empuser");
        String password = req.getParameter("emppass");

        PrintWriter out = resp.getWriter();
        Connection con = null;
        try{
            Class.forName("oracle.jdbc.OracleDriver");
            con
=DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:XE","system",
"sys");

```

```

        String query = "insert into Emplogin values"
            + "(" + Username + "," + password + ")";

```

```

Statement stmt = con.createStatement();
int i = stmt.executeUpdate(query);

if(i==1)
{
    RequestDispatcher rd = req.getRequestDispatcher("Loginset2.jsp");
    rd.forward(req, resp);
}
else
{
    out.println("Registration error try again!!");
    RequestDispatcher rd = req.getRequestDispatcher("RegSet2.jsp");
    rd.include(req, resp);
}

stmt.close();
con.close();
}
catch(Exception e)
{
    System.out.println(e);
}
}
}

```

Loginset2.jsp

```

<%@page contentType="text/html" pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
    <head>
        <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
        <title>JSP Page</title>
    </head>
    <body bgcolor="orange">
        <center>
            <h1>Login</h1>
            <br>
            <form action="LvalidationEmp2">
                UserName: <input type="text" name="empuser"> <br> <br>

```

```

        Password: <input type="password" name="emppass"> <br> <br>
        <input type="submit" value="Login">
    </form>

    <br><br>
    <a href="RegSet2.jsp">create new account??</a>

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

```

LvalidationEmp2.java(servlet)

```

package SetsSol;

import jakarta.servlet.RequestDispatcher;
import jakarta.servlet.ServletException;
import jakarta.servlet.http.HttpServlet;
import jakarta.servlet.http.HttpServletRequest;
import jakarta.servlet.http.HttpServletResponse;
import jakarta.servlet.http.HttpSession;
import java.io.IOException;
import java.io.PrintWriter;
import java.sql.*;

public class LvalidationEmp2 extends HttpServlet {

    @Override
    protected void doGet(HttpServletRequest req, HttpServletResponse resp)
    throws ServletException, IOException {
        String username = req.getParameter("empuser");
        String pass = req.getParameter("emppass");
        PrintWriter out = resp.getWriter();
        Connection con = null;
        int result =0;
        try{
            Class.forName("oracle.jdbc.OracleDriver");

```

```

        con =
DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:XE","system"
,"sys");
        String query= "select * from Emplogin";
        Statement stmt = con.createStatement();
        ResultSet rs = stmt.executeQuery(query);
        while(rs.next())
        {
            if(rs.getString("Username").equals(username) &&
                rs.getString("password").equals(pass))
            {
                result =1;
                HttpSession session = req.getSession();
                session.setAttribute("Id", username);

                break;
            }
        }
        if(result ==1)
        {
            RequestDispatcher rd = req.getRequestDispatcher("EmpList.jsp");
            rd.forward(req, resp);
        }
        else
        {
            out.println("Invliad id password try agian!!");
            RequestDispatcher rd = req.getRequestDispatcher("Loginset2.jsp");
            rd.include(req, resp);
        }

    }
    catch(Exception e)
    {
        System.out.println(e);
    }
}
}

```

EmpList.jsp

```
<%@page import="java.sql.*" %>
```

```

<%@page contentType="text/html" pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
  <head>
    <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
    <title>JSP Page</title>
  </head>
  <body bgcolor="orange" >
    <center>
      <h1>Employee list</h1>
      <%
        Connection con = null;
        try{
          Class.forName("oracle.jdbc.OracleDriver");
          con =
DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:XE","system"
,"sys");
          String query = "select * from Employee";

          Statement stmt = con.createStatement();
          ResultSet rs = stmt.executeQuery(query);

          %>
          <table border='1'>
            <tr>
              <th>ID</th>
              <th>name</th>
              <th>DOB</th>
              <th>Address</th>
              <th>DEPT</th>
              <th>Update</th>
              <th>Delete</th>
            </tr>
            <%
              while(rs.next())
              {
                %>
                <tr>
                  <td><%=rs.getString("EID") %></td>
                  <td><%=rs.getString("ENAME") %></td>
                  <td><%=rs.getString("DOB") %></td>

```



```

                <td><%=rs.getString("EADD") %></td>
                <td><%=rs.getString("EDEPT") %></td>
                <td><a href="EmpUpdate.jsp?Eid= <%=rs.getString("EID")
%>">update</a></td>
                <td><a href="EmpDelete?Eid= <%=rs.getString("EID")
%>">delete</a></td>

            </tr>
        <% }
        %>
    </table>
    <%
        rs.close();
        stmt.close();
        con.close();
    }
    catch(Exception e)
    {
        System.out.println(e);
    }
    %>
    <br>
    <br>
    <a href="empAdd.jsp">Add new item</a>
</center>

</body>
</html>

```

empAdd.jsp(servlet)

```

<%@page import="java.sql.*" %>

<%@page contentType="text/html" pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
    <head>
        <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
        <title>JSP Page</title>
    </head>

```

```

<body bgcolor="orange">

    <%
        Connection con = null;
        int sno=0;
        try
        {
            Class.forName("oracle.jdbc.OracleDriver");
            con =
DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:XE","system"
,"sys");

            String Query="Select max(EID) maxnum from EMPLOYEE";

            Statement smt = con.createStatement();
            ResultSet rs= smt.executeQuery(Query);

            while(rs.next())
            {
                sno = rs.getInt("maxnum");
            }
            rs.close();
            smt.close();
            con.close();
        }
        catch(Exception e)
        {
            System.out.println(e);
        }
        sno++;

    %>
    <center>
        <h1>Add Employee</h1>
        <form action='EmpInsert'>
            <br>
            Enter Employee ID: <input type='text' name='id' value= <%=sno %> >
        <br><br>
            Enter Employee Name: <input type='text' name='ename' > <br><br>
            Enter Employee DOB : <input type='date' name='edob' pattern="\d{4}-
\d{2}-\d{2}" ><br><br>

```

```

        Enter Employee Address : <input type='text' name='eadd' ><br><br>
        Enter Employee Department : <input type='text' name='edept'
><br><br>
        <br>
        <input type='submit' value="submit">

</form>
</center>

</body>
</html>

```

EmpInsert.java(servlet)

```

package SetsSol;

import jakarta.servlet.ServletException;
import jakarta.servlet.http.HttpServlet;
import jakarta.servlet.http.HttpServletRequest;
import jakarta.servlet.http.HttpServletResponse;
import java.io.IOException;
import java.io.PrintWriter;
import java.sql.*;
import java.text.SimpleDateFormat;
import java.util.Date;

public class EmpInsert extends HttpServlet {

    @Override
    protected void doGet(HttpServletRequest req, HttpServletResponse resp)
throws ServletException, IOException {
        resp.setContentType("text/html");
        PrintWriter out = resp.getWriter();

        String ID = req.getParameter("id");
        String NAME = req.getParameter("ename");
        String dob = req.getParameter("edob");
        String add = req.getParameter("eadd");
        String dept = req.getParameter("edept");

```

```

        Connection con = null;
        try{

            Class.forName("oracle.jdbc.OracleDriver");
            con =
DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:XE","system"
,"sys");
            Statement stmt = con.createStatement();
            String query ="insert into Employee values("+ID+ ", '"+NAME+"', ' "+
dob + "' , '"+ add + "' , '"+ dept+"')";
            stmt.executeUpdate(query);
            stmt.close();
            con.close();

        }
        catch(Exception e)
        {
            System.out.println(e);
        }
        resp.sendRedirect("EmpList.jsp");
    }

}

```

EmpUpdate.jsp

```

<%@page import="java.sql.*" %>
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
    <head>
        <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
        <title>JSP Page</title>
    </head>
    <body bgcolor="orange">
        <center>
            <% String id = request.getParameter("Eid");

```

```

String ename = "";
String edob = "";
String eadd = "";
String edept = "";

Connection con = null;
try{
    Class.forName("oracle.jdbc.OracleDriver");
    con =
DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:XE","system"
,"sys");
    Statement smt= con.createStatement();
    String query = "select * from Employee where EID="+id;
    ResultSet rs= smt.executeQuery(query);
    while(rs.next())
    {
        ename= rs.getString("ENAME");
        edob= rs.getString("DOB");
        eadd= rs.getString("EADD");
        edept= rs.getString("EDEPT");

    }
    rs.close();
    smt.close();
    con.close();

}
catch(Exception e)
{
    System.out.println(e);
} %>

<h1>Update Employee</h1>
<form action='EmpEdit'>
    <br>
    Enter Employee id: <input type='text' name='id' value= <%=id %> >
<br><br>
    Enter Employee name: <input type='text' name='ename' value=
<%=ename %> > <br><br>

```

```

        Enter Employee DOB : <input type='date' name='edob' value= <%=edob
%> ><br><br>
        Enter Employee Address : <input type='text' name='eadd' value=
<%=eadd %> ><br><br>
        Enter Employee Dept : <input type='text' name='edept' value=
<%=edept %> ><br><br>
        <br>
        <input type='submit' value="Update">

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

```

EmpEdit.java(servlet)

```

package SetsSol;

import jakarta.servlet.ServletException;
import jakarta.servlet.http.HttpServlet;
import jakarta.servlet.http.HttpServletRequest;
import jakarta.servlet.http.HttpServletResponse;
import java.io.IOException;
import java.io.PrintWriter;
import java.sql.*;

public class EmpEdit extends HttpServlet {

    @Override
    protected void doGet(HttpServletRequest req, HttpServletResponse resp)
    throws ServletException, IOException {
        resp.setContentType("text/html");
        PrintWriter out = resp.getWriter();

        String id = req.getParameter("id");
        String ename = req.getParameter("ename");
        String edob = req.getParameter("edob");
        String eadd = req.getParameter("eadd");
        String edept = req.getParameter("edept");

        Connection con = null;

```

```

        try{
            Class.forName("oracle.jdbc.OracleDriver");
            con =
DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:XE","system"
,"sys");
            Statement smt = con.createStatement();
            String query ="update Employee set ENAME= '"+ ename + "', DOB='"+
edob + "',EADD= "
                +eadd + "',EDEPT= '"+ edept + "' where EID="+id;
            smt.executeUpdate(query);
            smt.close();
            con.close();
        }
        catch(Exception e)
        {
            System.out.println(e);
        }
        resp.sendRedirect("EmpList.jsp");

    }

}

```

EmpDelete.java(servlet)
package SetsSol;

```

import jakarta.servlet.ServletException;
import jakarta.servlet.http.HttpServlet;
import jakarta.servlet.http.HttpServletRequest;
import jakarta.servlet.http.HttpServletResponse;
import java.io.IOException;
import java.io.PrintWriter;
import java.sql.*;

```

public class EmpDelete extends HttpServlet {

```

    @Override
    protected void doGet(HttpServletRequest req, HttpServletResponse resp)
throws ServletException, IOException {
        resp.setContentType("text/html");
        PrintWriter out = resp.getWriter();

```

```

String id = req.getParameter("Eid");

Connection con=null;
try
{
    Class.forName("oracle.jdbc.OracleDriver");

con=DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:XE",
"system", "sys");
    String query="Delete from Employee where EID=" + id;
    Statement stmt=con.createStatement();
    stmt.executeUpdate(query);
    stmt.close();
    con.close();
}
catch(Exception e)
{
    System.out.println(e);
}
resp.sendRedirect("EmpList.jsp");

}
}

```


Registration form

UserName

Password 

[Alredy have an account??](#)

Login

UserName:

Password: 

[create new account??](#)

Add Employee

Enter Employee ID:

Enter Employee Name:

Enter Employee DOB : 

Enter Employee Address :

Enter Employee Department :

Employee list

ID	name	DOB	Address	DEPT	Update	Delete
1	harsh	1990-12-12	anand	hr	update	delete
2	hitesh	2023-11-21	libasi	tester	update	delete
3	Mitesh	2023-11-15	Ahemdabad	Abc	update	delete

[Add new item](#)

Update Employee

Enter Employee id:

Enter Employee name:

Enter Employee DOB : 

Enter Employee Address :

Enter Employee Dept :

Employee list

ID	name	DOB	Address	DEPT	Update	Delete
1	harsh	1990-12-12	anand	hr	update	delete
2	hitesh	2023-11-21	libasi	tester	update	delete
3	Mitesh	2023-11-15	Ahemdabad	HR	update	delete

[Add new item](#)

Set – III

Q.3) Write a JSP code to accept the login details: ID, Password for registration for the Student of MCA of CMPICA Dept. On the successful login the student should redirect to Dashboard where the page should accept the details of the student as: Email, contact no, DOB and Gender(Male/Female). On selection of gender, the control should redirect to corresponding gender page and welcome the Student with following details: Name, ID and DOB and gender details on the welcome page.(Assume suitable table Structure)

#Login table

```
create table StudLogin3(id varchar2(8) primary key,Passsword varchar2(8));
```

#Student detail table

```
create table StudDetails3(Name varchar2(25),  
Email varchar2(25),  
Dob Date,  
gender varchar2(8),  
id varchar2(8),  
foreign key (id) references StudLogin3(id) );
```

RegSet3.jsp

```
<%@page contentType="text/html" pageEncoding="UTF-8"%>  
<!DOCTYPE html>  
<html>  
  <head>  
    <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">  
    <title>JSP Page</title>  
  </head>  
  <body bgcolor="cyan">  
    <center>  
      <h1>Registration form</h1>  
      <br>  
      <form action="regdata3">  
        Id: <input type="text" name="studid"> <br> <br>  
        Password: <input type="password" name="pass"> <br> <br>  
        <input type="submit" value="register">  
      </form>  
  
      <br><br>  
      <a href="Loginset3.jsp">Alredy have an account??</a>  
  
    </center>  
  </body>
```

</html>

regdata3.java (servlet)

```
package SetsSol;

import jakarta.servlet.RequestDispatcher;
import jakarta.servlet.ServletException;
import jakarta.servlet.http.HttpServlet;
import jakarta.servlet.http.HttpServletRequest;
import jakarta.servlet.http.HttpServletResponse;
import java.io.IOException;
import java.io.PrintWriter;
import java.sql.*;

public class regdata3 extends HttpServlet {

    @Override
    protected void doGet(HttpServletRequest req, HttpServletResponse resp) throws ServletException,
    IOException {
        resp.setContentType("text/html");
        String id = req.getParameter("studid");
        String pass = req.getParameter("pass");

        PrintWriter out = resp.getWriter();
        Connection con = null;
        try{
            Class.forName("oracle.jdbc.OracleDriver");
            con = DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:XE","system","sys");
            String query = "insert into StudLogin3 values('" + id + "','" + pass + "')";
            Statement stmt = con.createStatement();
            int i = stmt.executeUpdate(query);

            if(i==1)
            {
                RequestDispatcher rd = req.getRequestDispatcher("Loginset3.jsp");
                rd.forward(req, resp);
            }
            else
            {
                out.println("Registration error try agian!!");
                RequestDispatcher rd = req.getRequestDispatcher("RegSet3.jsp");
                rd.include(req, resp);
            }

            stmt.close();
            con.close();
        }
        catch(Exception e)
        {
            System.out.println(e);
        }
    }
}
```

```

    }
}

}

```

Loginset3.jsp

```

<%@page contentType="text/html" pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
  <head>
    <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
    <title>JSP Page</title>
  </head>
  <body bgcolor="cyan">
    <center>
      <h1>Login</h1>
      <br>
      <form action="Loginvalidation3">
        Id: <input type="text" name="studid"> <br> <br>
        Password: <input type="password" name="pass"> <br> <br>
        <input type="submit" value="Login">
      </form>

      <br><br>
      <a href="RegSet3.jsp">create new account??</a>

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

```

Loginvalidation3(servlet)

```
package SetsSol;
```

```

import jakarta.servlet.RequestDispatcher;
import jakarta.servlet.ServletException;
import jakarta.servlet.http.HttpServlet;
import jakarta.servlet.http.HttpServletRequest;
import jakarta.servlet.http.HttpServletResponse;
import jakarta.servlet.http.HttpSession;
import java.io.IOException;
import java.io.PrintWriter;
import java.sql.*;

```

```
public class Loginvalidation3 extends HttpServlet {
```

```
    @Override
```

```
    protected void doGet(HttpServletRequest req, HttpServletResponse resp) throws ServletException,
    IOException {

```

```

resp.setContentType("text/html");
String id = req.getParameter("studid");
String pass = req.getParameter("pass");
PrintWriter out = resp.getWriter();
Connection con = null;
int result = 0;
try{
    Class.forName("oracle.jdbc.OracleDriver");

    con = DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:XE","system","sys");
    String query= "select * from StudLogin3";
    Statement stmt = con.createStatement();
    ResultSet rs = stmt.executeQuery(query);
    while(rs.next())
    {
        if(rs.getString("id").equals(id) && rs.getString("Passsword").equals(pass))
        {
            result = 1;
            HttpSession session = req.getSession();
            session.setAttribute("Id", id);
            break;
        }
    }
    if(result == 1)
    {
        RequestDispatcher rd = req.getRequestDispatcher("Dashborad3.jsp");
        rd.forward(req, resp);
    }
    else
    {
        out.println("Invliad id password try agian!!");
        RequestDispatcher rd = req.getRequestDispatcher("Loginset3.jsp");
        rd.include(req, resp);
    }

}
catch(Exception e)
{
    System.out.println(e);
}
}
}

```

Dashborad3.jsp

```

<%@page contentType="text/html" pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>

```

```

<head>
    <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
    <title>JSP Page</title>
</head>
<body bgcolor="cyan">
<center>
    <h1>Dashboard</h1>
    <form action="StudData3">
        <br>

        Enter name: <input type="text" name="studname" ><br> <br>
        Enter Email: <input type="text" name="studmail" ><br> <br>
        Enter Date of Birth: <input type="Date" name="studDob" ><br> <br>
        Enter gender: <input type="radio" name="studgen" value="Male" >Male
        <input type="radio" name="studgen" value="Female" >Female
        <br> <br>
        <input type="submit" value="Submit" >
    </form>
</center>
</body>
</html>

```

StudData3.java(servlet)

```
package SetsSol;
```

```

import jakarta.servlet.RequestDispatcher;
import jakarta.servlet.ServletException;
import jakarta.servlet.http.HttpServlet;
import jakarta.servlet.http.HttpServletRequest;
import jakarta.servlet.http.HttpServletResponse;
import jakarta.servlet.http.HttpSession;
import java.io.IOException;
import java.io.PrintWriter;
import java.sql.*;

```

```
public class StudData3 extends HttpServlet {
```

```
    @Override
```

```
    protected void doGet(HttpServletRequest req, HttpServletResponse resp) throws ServletException,
    IOException {
```

```

        resp.setContentType("text/html");
        PrintWriter out = resp.getWriter();
        HttpSession session = req.getSession();
        String id =(String)session.getAttribute("Id");

```

```

        String name = req.getParameter("studname");
        String email = req.getParameter("studmail");
        String Dob = req.getParameter("studDob");

```



```

String gen = req.getParameter("studgen");

Connection con= null;
try{

    Class.forName("oracle.jdbc.OracleDriver");
    con = DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:XE","system","sys");
    String query = "insert into StudDetails3 values('"+ name + "','"+
        email + "','"+ Dob + "','"+ gen + "','"+ id + "')";
    Statement stmt = con.createStatement();
    stmt.executeUpdate(query);
    stmt.close();
    con.close();

    if(gen.equals("Male"))
    {
        resp.sendRedirect("Male3.jsp?user="+ name+ "&id="+id + "&DOB=" + Dob );
    }
    else
    {
        resp.sendRedirect("Female3.jsp?user="+ name+ "&id="+id + "&DOB=" + Dob );
    }
}
catch(Exception e)
{
    System.out.println(e);
}
}
}

```

Male3.jsp

```

<%@page contentType="text/html" pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
    <head>
        <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
        <title>JSP Page</title>
    </head>
    <body bgcolor="cyan">
        <center>
            Welcome <%=request.getParameter("user") %> <br>
            your Id is <%=request.getParameter("id") %> <br>
            your Birth date is <%=request.getParameter("DOB") %> <br>
            this is Male page
        </center>
    </body>
</html>

```

Female3.jsp

```
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
  <head>
    <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
    <title>JSP Page</title>
  </head>
  <body bgcolor="cyan">
    <center>
      Welcome <%=request.getParameter("user") %> <br>
      your Id is <%=request.getParameter("id") %> <br>
      your Birth date is <%=request.getParameter("DOB") %> <br>
      this is Female page
    </center>
  </body>
</html>
```

Registration form

Id:

Password:

[Alredy have an account??](#)

Login

Id:

Password:


Login

[create new account??](#)

Dashboard

Enter name:

Enter Email:

Enter Date of Birth: 

Enter gender: ☒ Male ☐ Female

Submit

Welcome het
your Id is 23MCA001
your Birth date is 2023-10-09
this is Male page

Set – IV

Q.4) Write a Servlet code to accept the login details: ID, Password for registration for the Student of MCA of CMPICA Dept. On the successful login the student should redirect to Dashboard where the page should accept the details of the student as: Email, contact no, DOB and Course(Paid/Non Paid). On selection of course, the control should redirect to corresponding course page and welcome the Student with following details: Name, ID and DOB and course details that student has selected on the welcome page.(Assume Suitable table Structure)

Table code:

```
create table StudCourse4(Name varchar2(25),  
Email varchar2(25),  
Dob varchar2(30),  
Course varchar2(8),  
id varchar2(8),  
foreign key (id) references StudLogin3(id) );
```

RegSet4.java(servlet)

```
package SetsSol;
```

```
import jakarta.servlet.ServletException;  
import jakarta.servlet.http.HttpServlet;  
import jakarta.servlet.http.HttpServletRequest;  
import jakarta.servlet.http.HttpServletResponse;  
import java.io.IOException;  
import java.io.PrintWriter;
```

```
public class RegSet4 extends HttpServlet {
```

```
    @Override
```

```
    protected void doGet(HttpServletRequest req, HttpServletResponse resp) throws ServletException,  
    IOException {
```

```
        resp.setContentType("text/html");  
        PrintWriter out = resp.getWriter();  
        out.println("<html>");  
        out.println("<body bgcolor='yellow'>");
```

```

        out.println("<center><h1>Regitration</h1><br> <br>");
        out.println("<form action='regdata4'>");
        out.println("Id:<input type='text' name='id'> <br><br>");
        out.println("Password:<input type='password' name='pass'><br><br>");
        out.println("<input type='submit' value='Register'><br><br>");
        out.println("</form>");
        out.println("<a href='Loginset4'>alredy have an account!!</a></center>");
        out.println("</body>");
        out.println("</html>");
    }
}

```

regdata4.java(servlet)

```
package SetsSol;
```

```

import jakarta.servlet.RequestDispatcher;
import jakarta.servlet.ServletException;
import jakarta.servlet.http.HttpServlet;
import jakarta.servlet.http.HttpServletRequest;
import jakarta.servlet.http.HttpServletResponse;
import java.io.IOException;
import java.io.PrintWriter;
import java.sql.*;

```

```
public class regdata4 extends HttpServlet {
```

```
    @Override
```

```
    protected void doGet(HttpServletRequest req, HttpServletResponse resp) throws ServletException,
    IOException {
```

```

        resp.setContentType("text/html");
        PrintWriter out = resp.getWriter();
        out.println("<html>");
        out.println("<body>");
        Connection con = null;
        String id = req.getParameter("id");
        String pass = req.getParameter("pass");
    
```

```
    try{
```

```

        Class.forName("oracle.jdbc.OracleDriver");
        con =DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:XE","system","sys");
        String query = "insert into StudLogin3 values('" + id + "','" + pass + "')";
        Statement stmt = con.createStatement();
        int i = stmt.executeUpdate(query);
    
```

```
        if(i==1)
```

```
        {
```

```

            RequestDispatcher rd = req.getRequestDispatcher("Loginset4");
            rd.forward(req, resp);
        }
    
```

```
        else
        {
```

```
            out.println("Registration error try agian!!");
```

```

        RequestDispatcher rd = req.getRequestDispatcher("RegSet4");
        rd.include(req, resp);
    }

    stmt.close();
    con.close();
}
catch(Exception e)
{
    System.out.println(e);
}
out.println("</body>");
out.println("</html>");
}
}

```

Loginset4.java(servlet)

```
package SetsSol;
```

```

import jakarta.servlet.ServletException;
import jakarta.servlet.http.HttpServlet;
import jakarta.servlet.http.HttpServletRequest;
import jakarta.servlet.http.HttpServletResponse;
import java.io.IOException;
import java.io.PrintWriter;

```

```
public class Loginset4 extends HttpServlet {
```

```
    @Override
```

```
    protected void doGet(HttpServletRequest req, HttpServletResponse resp) throws ServletException,
    IOException {
```

```
        resp.setContentType("text/html");
        PrintWriter out = resp.getWriter();
```

```

        out.println("<html>");
        out.println("<body bgcolor='yellow'>");
        out.println("<center><h1>Login</h1><br> <br>");
        out.println("<form action='LoginValidation4'>");

```

```

        out.println("Id:<input type='text' name='id'> <br><br>");
        out.println("Password:<input type='password' name='pass'><br><br>");

```

```

        out.println("<input type='submit' value='Login'><br><br>");
        out.println("</form>");

```

```
        out.println("<a href='RegSet4'>New account!!</a></center>");
```

```

        out.println("</body>");
        out.println("</html>");
    }
}

```

```
}
```

LoginValidation4.java(servlet)

```
package SetsSol;
```

```
import jakarta.servlet.RequestDispatcher;  
import jakarta.servlet.ServletException;  
import jakarta.servlet.http.HttpServlet;  
import jakarta.servlet.http.HttpServletRequest;  
import jakarta.servlet.http.HttpServletResponse;  
import jakarta.servlet.http.HttpSession;  
import java.io.IOException;  
import java.io.PrintWriter;  
import java.sql.*;
```

```
public class LoginValidation4 extends HttpServlet {
```

```
    @Override
```

```
    protected void doGet(HttpServletRequest req, HttpServletResponse resp) throws ServletException,  
    IOException {
```

```
        resp.setContentType("text/html");  
        String id = req.getParameter("id");  
        String pass = req.getParameter("pass");  
        PrintWriter out = resp.getWriter();  
        Connection con = null;  
        int result =0;  
        try {  
            Class.forName("oracle.jdbc.OracleDriver");
```

```
            con =  
DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:XE","system","sys");  
            String query= "select * from StudLogin3";  
            Statement stmt = con.createStatement();  
            ResultSet rs = stmt.executeQuery(query);  
            while(rs.next())  
            {  
                if(rs.getString("id").equals(id) && rs.getString("Passsword").equals(pass))  
                {  
                    result =1;  
                    HttpSession session = req.getSession();  
                    session.setAttribute("Id", id);  
                    break;  
                }  
            }  
            if(result ==1)  
            {  
                RequestDispatcher rd = req.getRequestDispatcher("DashboradCourse");  
                rd.forward(req, resp);  
            }  
            else  
            {  
                out.println("Invliad id password try agian!!");
```

```

        RequestDispatcher rd = req.getRequestDispatcher("Loginset4");
        rd.include(req, resp);
    }

}
catch(Exception e)
{
    System.out.println(e);
}

}
}

```

DashboradCourse.java(servlet)

package SetsSol;

```

import jakarta.servlet.ServletException;
import jakarta.servlet.http.HttpServlet;
import jakarta.servlet.http.HttpServletRequest;
import jakarta.servlet.http.HttpServletResponse;
import java.io.IOException;
import java.io.PrintWriter;

```

public class DashboradCourse extends HttpServlet {

 @Override

 protected void doGet(HttpServletRequest req, HttpServletResponse resp) throws ServletException, IOException {

```

        resp.setContentType("text/html");
        PrintWriter out = resp.getWriter();

```

```

        out.println("<html>");
        out.println("<body bgcolor='yellow'>");
        out.println("<center><h1>DashBoard</h1><br> <br>");
        out.println("<form action='StudCourse'>");

```

```

        out.println("Name:<input type='text' name='name'> <br><br>");
        out.println("Email:<input type='text' name='Email'> <br><br>");
        out.println("Dob:<input type='Date' name='date'> <br><br>");
        out.println("Course:<input type='radio' name='course' value='paid'> Paid ");
        out.println("<input type='radio' name='course' value='not paid'>Not Paid <br><br>");
        out.println("<input type='submit' value='Submit'><br><br>");
        out.println("</form>");

```

```

        out.println("</body>");
        out.println("</html>");
    }
}

```

StudCourse.java(servlet)


```

package SetsSol;

import jakarta.servlet.ServletException;
import jakarta.servlet.http.HttpServlet;
import jakarta.servlet.http.HttpServletRequest;
import jakarta.servlet.http.HttpServletResponse;
import jakarta.servlet.http.HttpSession;
import java.io.IOException;
import java.io.PrintWriter;
import java.sql.*;

public class StudCourse extends HttpServlet {

    @Override
    protected void doGet(HttpServletRequest req, HttpServletResponse resp) throws ServletException,
    IOException {
        resp.setContentType("text/html");
        PrintWriter out = resp.getWriter();
        HttpSession session = req.getSession();
        String id =(String)session.getAttribute("Id");

        String name = req.getParameter("name");
        String email = req.getParameter("Email");
        String Dob = req.getParameter("date");
        String course = req.getParameter("course");

        Connection con= null;
        try{

            Class.forName("oracle.jdbc.OracleDriver");
            con = DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:XE","system","sys");
            String query = "insert into StudCourse4 values('"+ name + "','"+
                email + "','"+ Dob + "','"+ course + "','"+ id + "')";
            Statement stmt = con.createStatement();
            stmt.executeUpdate(query);
            stmt.close();
            con.close();

            if(course.equals("paid"))
            {
                resp.sendRedirect("PaidCourse?user="+ name+ "&id="+id +"&DOB="+ Dob );
            }
            else
            {
                resp.sendRedirect("NotPaidCourse?user="+ name+ "&id="+id +"&DOB="+ Dob );
            }
        }
        catch(Exception e)
        {
            System.out.println(e);
        }
    }
}

```

```
}  
}  
}
```

PaidCourse.java(servlet)

```
package SetsSol;
```

```
import jakarta.servlet.ServletException;  
import jakarta.servlet.http.HttpServlet;  
import jakarta.servlet.http.HttpServletRequest;  
import jakarta.servlet.http.HttpServletResponse;  
import java.io.IOException;  
import java.io.PrintWriter;
```

```
public class PaidCourse extends HttpServlet {
```

```
    @Override
```

```
    protected void doGet(HttpServletRequest req, HttpServletResponse resp) throws ServletException,  
    IOException {
```

```
        resp.setContentType("text/html");  
        PrintWriter out = resp.getWriter();
```

```
        out.println("<html>");  
        out.println("<body bgcolor='yellow'><center>");  
        out.println("<br><br>Welcome " + req.getParameter("user"));  
        out.println("<br>Your id is " + req.getParameter("id"));  
        out.println("<br><br> your Birth date is " + req.getParameter("DOB"));  
        out.println("<br><br> your Paid courses details:");  
        out.println("<br>course: java <br> duration: 3 months <br> Fees:100rs");  
        out.println("</center></body>");  
        out.println("</html>");
```

```
    }  
}
```

NotPaidCourse.java(servlet)

```
package SetsSol;
```

```
import jakarta.servlet.ServletException;  
import jakarta.servlet.http.HttpServlet;  
import jakarta.servlet.http.HttpServletRequest;  
import jakarta.servlet.http.HttpServletResponse;  
import java.io.IOException;  
import java.io.PrintWriter;
```

```
public class NotPaidCourse extends HttpServlet {
```

```
    @Override
```

```
    protected void doGet(HttpServletRequest req, HttpServletResponse resp) throws ServletException,  
    IOException {
```

```
        resp.setContentType("text/html");  
        PrintWriter out = resp.getWriter();
```

```
out.println("<html>");
out.println("<body bgcolor='yellow'><center>");
out.println("<br><br>Welcome " + req.getParameter("user"));
out.println("<br>Your id is " + req.getParameter("id"));
out.println("<br><br> your Birth date is " + req.getParameter("DOB"));
out.println("<br><br> your free courses details:");
out.println("<br>course: Nosql <br> duration: 1 months <br> ");
out.println("<center></body>");
out.println("</html>");
}
}
```

.

Registration

Id:

Password:

[alredy have an account!!](#)

Login

Id:

Password:


Login

[New account!!](#)

DashBoard

Name:

Email:

Dob: 

Course: ☒ Paid ☐ Not Paid

Submit

Welcome Krisha
Your id is 23MCA002

your Birth date is 2023-10-09

your Paid courses details:

course: java

duration: 3 months

Fees:100rs