CSE 1007 DIGITAL ASSIGNMENT-3
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A. CREATING TABLES USING SERVLETS

```java
package com.company;

import java.io.IOException;
import java.io.PrintWriter;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.sql.SQLException;

import javax.servlet.RequestDispatcher;
import javax.servlet.ServletException;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;

public class EmpTable extends HttpServlet
{
        public void doGet (HttpServletRequest req, HttpServletResponse res) throws IOException,
ServletException
        {Connection con;
        PrintWriter out = res.getWriter();
        try {
                String dbDriver = "com.mysql.jdbc.Driver";
                con = DriverManager.getConnection("jdbc:mysql://localhost:3306/companydb","root",
"Haloarenes");
                String query ="CREATE TABLE employees (empId varchar(10) NOT NULL ,emp_name
varchar(50) NOT NULL,"+
                "CID varchar(50) NOT NULL,dept_name varchar(50) NOT NULL, designation varchar(50) NOT
NULL, salary decimal(15,4), PRIMARY KEY (empId))";

                String query1="Create TABLE companies (CID varchar(50) NOT NULL, company_name
varchar(50) NOT NULL,city varchar(50) NOT NULL, PRIMARY KEY(CID))";
                String query2="Create TABLE managers (managerId varchar(50) NOT NULL, mname
varchar(50) NOT NULL UNIQUE,"
                +"CID varchar(50),no_of_indoor_projects decimal(2,0),  outdoor_project_area decimal(10,2),
PRIMARY KEY(managerID), UNIQUE(mname))";
                PreparedStatement preparedStmt = con.prepareStatement(query);

                int rs = preparedStmt.executeUpdate();
                preparedStmt = con.prepareStatement(query1);
                rs = preparedStmt.executeUpdate();
                preparedStmt = con.prepareStatement(query2);
                rs = preparedStmt.executeUpdate();

                PrintWriter pw=res.getWriter();
```

```java
                out.println("<html><head><style> body {background-color: powderblue;}\n"
                        + "h1   {color:
lavenderblush;text-align:center;}</style></head><body><h1>TABLES HAVE BEEN CREATED"
            + "</h1></body></html>");



        } catch (SQLException e) {
                out.println("NO");

                e.printStackTrace();
        }




        }


}
```

B. INSERTING RECORDS:

Form 1- Employee Form

CODE:

```java
package com.company;

import java.io.IOException;
import java.io.PrintWriter;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.sql.SQLException;

import javax.servlet.RequestDispatcher;
import javax.servlet.ServletException;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;


public class AddRecords extends  HttpServlet{


        public void doPost(HttpServletRequest req, HttpServletResponse res) throws IOException, ServletException
        {Connection con;
        PrintWriter out = res.getWriter();
        try {
                con = DriverManager.getConnection("jdbc:mysql://localhost:3306/companydb","root", "Haloarenes");
                PreparedStatement st = con.prepareStatement("insert into employees values(?,?,?,?,?,?)");
                st.setString(1, String.valueOf(req.getParameter("empid")));
                st.setString(2,String.valueOf(req.getParameter("name")));
                st.setString(3,String.valueOf(req.getParameter("cid")));
                st.setString(4,String.valueOf(req.getParameter("dname")));


                st.setString(5,String.valueOf(req.getParameter("des")));
                st.setDouble(6,Double.valueOf(req.getParameter("sal")));
                st.executeUpdate();
                con.close();
                out.println("<html><head><style> body {background-color: powderblue;}\n"
                                + "h1   {color: lavenderblush;text-align:center;}</style></head><body><h1>Record
has been inserted into the database"
        + "</h1></body></html>");






        }catch(Exception e)
        {out.println("NO");
                e.printStackTrace();
        }
```
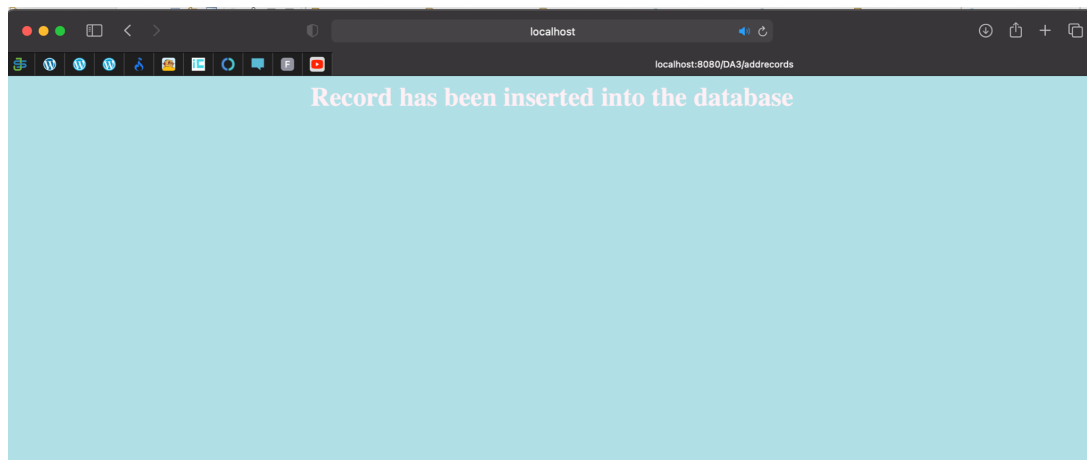
Form 1- Employee Form

```
        }



}
```

OUTPUT:

After successful insertion

Form 2 - Company Form
SERVLET CODE:

```java
package com.company;

import java.io.IOException;
import java.io.PrintWriter;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.sql.SQLException;

import javax.servlet.RequestDispatcher;
import javax.servlet.ServletException;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;

public class AddRecords1 extends HttpServlet {


        public void doPost(HttpServletRequest req, HttpServletResponse res) throws IOException,
ServletException
        {Connection con;
        PrintWriter out = res.getWriter();
        try {
                con = DriverManager.getConnection("jdbc:mysql://localhost:3306/companydb","root",
"Haloarenes");

                PreparedStatement st = con.prepareStatement("insert into companies values(?,?,?)");
                st.setString(1, String.valueOf(req.getParameter("cid")));
                st.setString(2,String.valueOf(req.getParameter("name")));
                st.setString(3,String.valueOf(req.getParameter("city")));
                st.executeUpdate();
                con.close();
                out.println("<html><head><style> body {background-color: powderblue;}\n"
                                + "h1   {color:
lavenderblush;text-align:center;}</style></head><body><h1>Record has been inserted into the database"
        + "</h1></body></html>");




        }catch(Exception e)
        {out.println("NO");
                e.printStackTrace();
        }

        }


}
```
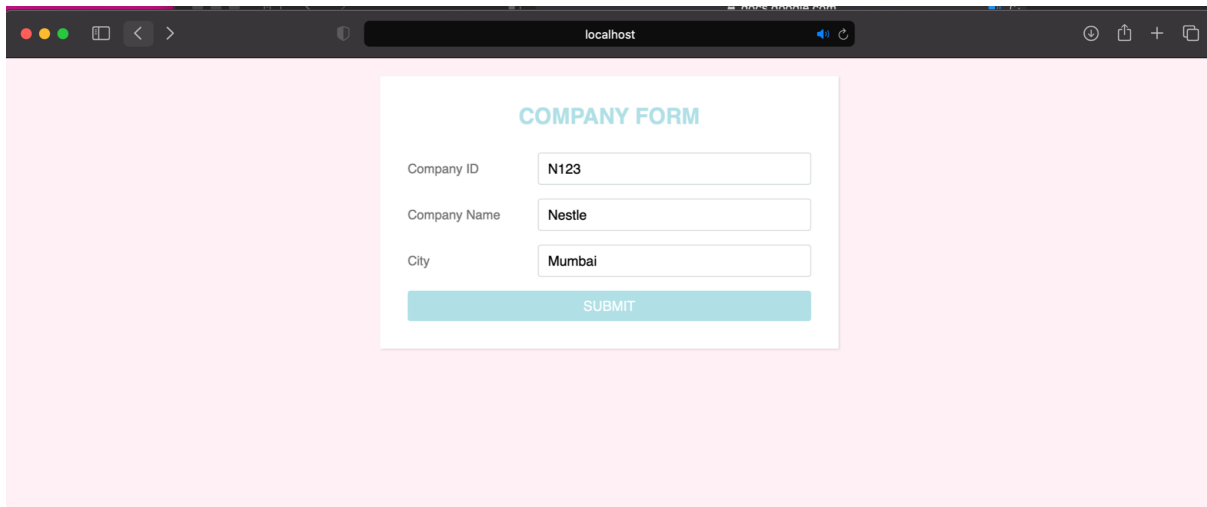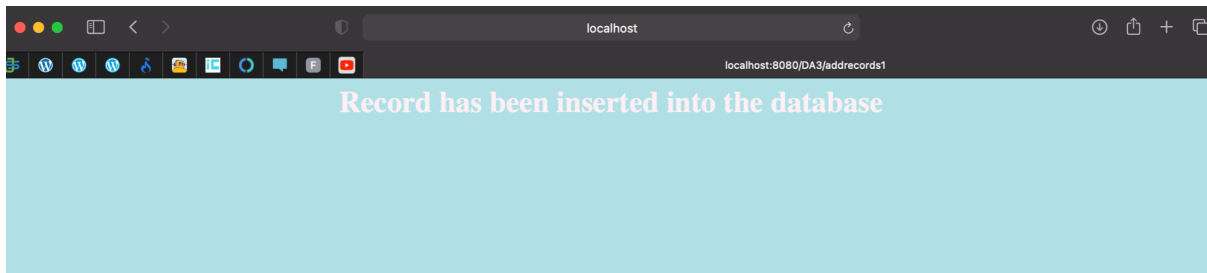
OUTPUT:

After successful insertion

Form 3:
Manager Form
CODE:

```java
package com.company;

import java.io.IOException;
import java.io.PrintWriter;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.sql.SQLException;

import javax.servlet.RequestDispatcher;
import javax.servlet.ServletException;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;

public class AddRecords2 extends HttpServlet {
```
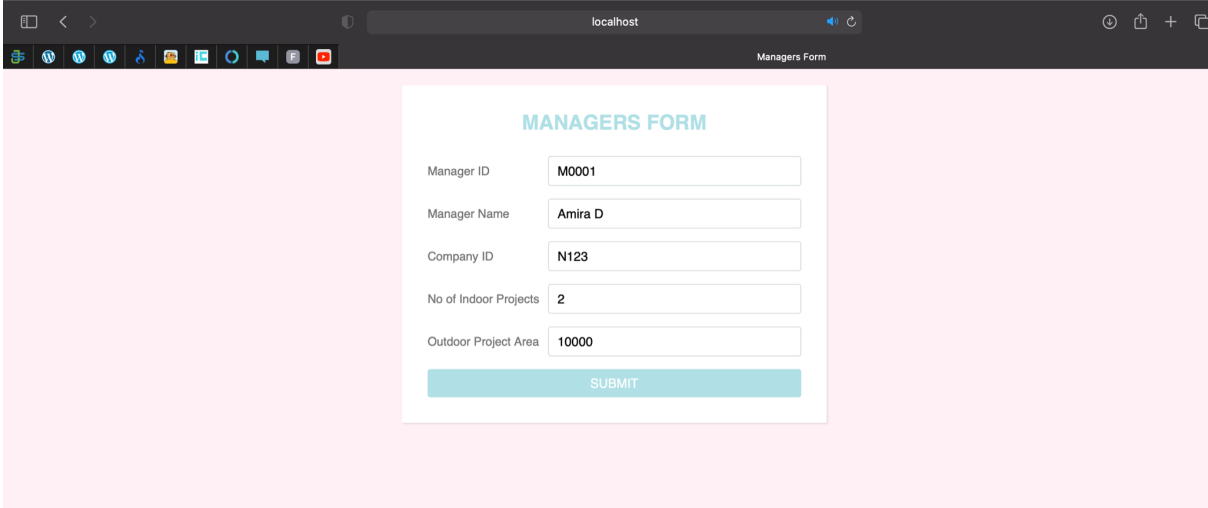
```java
public void doPost(HttpServletRequest req, HttpServletResponse res) throws IOException, ServletException
{Connection con;
PrintWriter out = res.getWriter();
try {
        con = DriverManager.getConnection("jdbc:mysql://localhost:3306/companydb","root", "Haloarenes");
        PreparedStatement st = con.prepareStatement("insert into managers values(?,?,?,?,?)");
        st.setString(1, String.valueOf(req.getParameter("mid")));
        st.setString(2,String.valueOf(req.getParameter("name")));
        st.setString(3,String.valueOf(req.getParameter("cid")));
        st.setString(4,String.valueOf(req.getParameter("no")));
        st.setString(5,String.valueOf(req.getParameter("od")));
        st.executeUpdate();
        con.close();
        out.println("<html><head><style> body {background-color: powderblue;}\n"
                        + "h1   {color: lavenderblush;text-align:center;}</style></head><body><h1>Record
has been inserted into the database"
        + "</h1></body></html>");




}catch(Exception e)
{out.println("NO");
        e.printStackTrace();
}

}


}
```

OUTPUT:

After successful insertion

C. DELETING A RECORD:

CODE:

```
package com.company;

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.sql.SQLException;
import java.util.ArrayList;
import java.util.List;

import javax.servlet.RequestDispatcher;
import javax.servlet.ServletException;
```

```java
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;

import com.mysql.cj.xdevapi.Statement;

public class DelRecords extends HttpServlet
{

 public void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException
{          PrintWriter out = response.getWriter();
List dl= new ArrayList();
List dl1= new ArrayList();
List dl2= new ArrayList();




                try {
                        Connection con;
                        con = DriverManager.getConnection("jdbc:mysql://localhost:3306/companydb","root",
"Haloarenes");


                                String q="select * from companies";
                                String q1="select * from employees";
                                String q2="select * from managers";

                                PreparedStatement smt=con.prepareStatement(q);
                        ResultSet rs=smt.executeQuery(q);
                        while (rs.next () )
                        {



                                dl.add(rs.getString("CID"));

                                dl.add(rs.getString("company_name"));
                                dl.add(rs.getString("city"));

                                }

                        smt=con.prepareStatement(q1);
                        rs=smt.executeQuery(q1);
                        while (rs.next ()){



                                dl1.add(rs.getString("empId"));
                                System.out.print("id"+rs.getString("empId"));
                                dl1.add(rs.getString("emp_name"));
                                dl1.add(rs.getString("CID"));
                                dl1.add(rs.getString("dept_name"));
                                dl1.add(rs.getString("designation"));
                                dl1.add(rs.getDouble("salary"));

                                }


                        smt=con.prepareStatement(q2);
```

```java
                        rs=smt.executeQuery(q2);
                        while (rs.next ()){



                                    dl2.add(rs.getString("managerId"));

                                    dl2.add(rs.getString("mname"));
                                    dl2.add(rs.getString("CID"));
                                    dl2.add(rs.getDouble("no_of_indoor_projects"));
                                    dl2.add(rs.getDouble("outdoor_project_area"));


                                    }



                        request.setAttribute("data",dl);
                        request.setAttribute("data1",dl1);
                        request.setAttribute("data2",dl2);
                        RequestDispatcher rd = request.getRequestDispatcher("/NewFile.jsp");
                        rd.forward(request, response);



                } catch (SQLException e1) {
                        // TODO Auto-generated catch block
                        e1.printStackTrace();
                }





}

    public void doPost(HttpServletRequest request, HttpServletResponse response)throws ServletException, IOException
{           try {
            Connection con;
            con = DriverManager.getConnection("jdbc:mysql://localhost:3306/companydb","root", "Haloarenes");

                    String q="delete from companies where CID=?";
                    String q1= "delete from employees where empId=?";
                    String q2= "delete from managers where managerId =?";

                    PreparedStatement st=con.prepareStatement(q);
                    PreparedStatement st1=con.prepareStatement(q1);
                    PreparedStatement st2=con.prepareStatement(q2);
                    if(request.getParameter("eid")!= null && !request.getParameter("eid").isEmpty() )
                                    {st1.setString(1, String.valueOf(request.getParameter("eid")));
                                    st1.executeUpdate();
                                    System.out.println(String.valueOf(request.getParameter("eid")));
                                    }
            if(request.getParameter("cid")!= null && !request.getParameter("cid").isEmpty() )
                    {
                    st.setString(1, String.valueOf(request.getParameter("cid")));
```

```java
                st.executeUpdate();
                String q3="delete from managers where CID=?";
                PreparedStatement st3=con.prepareStatement(q3);
                 st3=con.prepareStatement(q3);
                st3.setString(1, String.valueOf(request.getParameter("cid")));
                st3.executeUpdate();

                q3="delete from employees where CID=?";
        st3=con.prepareStatement(q3);
        st3.setString(1, String.valueOf(request.getParameter("cid")));
        st3.executeUpdate();

                }

if(request.getParameter("mid")!= null && !request.getParameter("mid").isEmpty() )
{st2.setString(1, String.valueOf(request.getParameter("mid")));
st2.executeUpdate();
}


                con.close();
                doGet(request,response);


} catch (SQLException e1) {

        e1.printStackTrace();
}


 }


}
```

WHOLE PAGE:

TABLES

COMPANY TABLE

Company ID	Company Name	City
C1223	Colman and Sons	Pune
C123	Cavin	Pune
N123	Nestle	Mumbai
S121	Smithson and Sons	Mumbai

Enter the company ID of the record to be deleted

EMPLOYEE TABLE

Employee ID	Employee Name	Company ID	Department Name	Designation	Salary
E111	Shelby M	C123	Design	Team Leader	50000.0
E223	Mira L	C123	Design	Team Leader	20000.0
E325	Nora N	C1223	Planning	Manager	100000.0
N1165	Roshan K	C123	Logistics	Associate	40000.0
N1265	Roshini R	C123	Development	Vice President	400000.0

Enter the employee ID of the record to be deleted

MANAGER TABLE

MANAGER TABLE

Manager ID	Manager Name	Company ID	No of Indoor Projects`	Outdoor Project Area
M0001	Amira D	N123	2.0	10000.0
MN85	Meena N	N122	1.0	1000.0
MN86	Lenny K	K122	2.0	20000.0

Enter the manager ID of the record to be deleted

Delete

AFTER DELETING A RECORD FROM MANAGER TABLE:

MANAGER TABLE

Manager ID	Manager Name	Company ID	No of Indoor Projects`	Outdoor Project Area
M0001	Amira D	N123	2.0	10000.0
MN85	Meena N	N122	1.0	1000.0
MN86	Lenny K	K122	2.0	20000.0

Enter the manager ID of the record to be deleted   MN86

Delete

OUTPUT

MANAGER TABLE

Manager ID	Manager Name	Company ID	No of Indoor Projects`	Outdoor Project Area
M0001	Amira D	N123	2.0	10000.0
MN85	Meena N	N122	1.0	1000.0

Enter the manager ID of the record to be deleted

Delete

WHEN A RECORD FROM THE COMPANY TABLE IS DELETED ALL RECORDS FROM OTHER TABLES WHICH REFERENCE IT ARE ALSO DELETED

localhost

TABLES

TABLES

COMPANY TABLE

Company ID	Company Name	City
C1223	Colman and Sons	Pune
C123	Cavin	Pune
N123	Nestle	Mumbai
S121	Smithson and Sons	Mumbai

Enter the company ID of the record to be deleted   C123

EMPLOYEE TABLE

Employee ID	Employee Name	Company ID	Department Name	Designation	Salary
E111	Shelby M	C123	Design	Team Leader	50000.0
E223	Mira L	C123	Design	Team Leader	20000.0
E325	Nora N	C1223	Planning	Manager	100000.0
N1165	Roshan K	C123	Logistics	Associate	40000.0
N1265	Roshini R	C123	Development	Vice President	400000.0

Enter the employee ID of the record to be deleted

MANAGER TABLE

Manager ID	Manager Name	Company ID	No of Indoor Projects`	Outdoor Project Area
M0001	Amira D	N123	2.0	10000.0
MN85	Meena N	N122	1.0	1000.0

Enter the manager ID of the record to be deleted

Delete

AFTER DELETION

TABLES

COMPANY TABLE

Company ID	Company Name	City
C1223	Colman and Sons	Pune
N123	Nestle	Mumbai
S121	Smithson and Sons	Mumbai

Enter the company ID of the record to be deleted

EMPLOYEE TABLE

Employee ID	Employee Name	Company ID	Department Name	Designation	Salary
E325	Nora N	C1223	Planning	Manager	100000.0

Enter the employee ID of the record to be deleted

MANAGER TABLE

Manager ID	Manager Name	Company ID	No of Indoor Projects`	Outdoor Project Area
M0001	Amira D	N123	2.0	10000.0
MN85	Meena N	N122	1.0	1000.0

Enter the manager ID of the record to be deleted

Delete

D. MODIFYING A RECORD

COMPANY TABLE EXAMPLE
UPDATE 1
CODE:

```java
package com.company;

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.sql.SQLException;
import java.util.ArrayList;
import java.util.Iterator;
import java.util.List;
import java.util.Map;

import javax.servlet.RequestDispatcher;
import javax.servlet.ServletException;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;

import com.mysql.cj.xdevapi.Statement;

public class update extends HttpServlet
{

 public void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException
{          PrintWriter out = response.getWriter();
List dl= new ArrayList();




                try {
                        Connection con;
                        con = DriverManager.getConnection("jdbc:mysql://localhost:3306/companydb","root",
"Haloarenes");

                                String q="select * from companies where CID= ?" ;
                                PreparedStatement smt=con.prepareStatement(q);




                                smt.setString(1,String.valueOf(request.getParameter("CID")));
                        ResultSet rs=smt.executeQuery();



                        while(rs.next())
                        {
                         request.setAttribute("cid",rs.getString("CID"));
```

```java
                    System.out.println(rs.getString("CID"));
                            request.setAttribute("name",rs.getString("company_name"));
                            System.out.println(rs.getString("company_name"));
                            request.setAttribute("city",rs.getString("city"));
                            System.out.println(rs.getString("city"));
                    }




                    RequestDispatcher rd = request.getRequestDispatcher("/updatec.jsp");
                    rd.forward(request, response);




            } catch (SQLException e1) {
                    // TODO Auto-generated catch block
                    e1.printStackTrace();
            }




    }

    public void doPost(HttpServletRequest request, HttpServletResponse response)throws ServletException, IOException
    {



                    String s=String.valueOf(request.getParameter("CID"));



                    doGet(request, response);



    }


    }
```

UPDATE 2:

```java
package com.company;

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.sql.SQLException;
import java.util.ArrayList;
import java.util.Iterator;
import java.util.List;
import java.util.Map;

import javax.servlet.RequestDispatcher;
import javax.servlet.ServletException;
import javax.servlet.ServletRequest;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;

import com.mysql.cj.xdevapi.Statement;

public class update1 extends HttpServlet
{

 public void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException
{
List dl= new ArrayList();



            try {
                    Connection con;
                    con = DriverManager.getConnection("jdbc:mysql://localhost:3306/companydb","root",
"Haloarenes");

                        String q="select * from companies";


                            PreparedStatement smt=con.prepareStatement(q);
                    ResultSet rs=smt.executeQuery(q);
                    while (rs.next ()){



                            dl.add(rs.getString("CID"));
                            dl.add(rs.getString("company_name"));
                             dl.add(rs.getString("city"));
```

```java
                              }


                    request.setAttribute("data",dl);
                    RequestDispatcher rd = request.getRequestDispatcher("/updatec1.jsp");
                    rd.forward(request, response);




          } catch (SQLException e1) {
                    // TODO Auto-generated catch block
                    e1.printStackTrace();
          }






}

public void doPost(HttpServletRequest request, HttpServletResponse response)throws ServletException, IOException
{          try {
          Connection con;
          con = DriverManager.getConnection("jdbc:mysql://localhost:3306/companydb","root", "Haloarenes");

                    String q="update companies  set company_name=?, city=? where CID=?";

                    PreparedStatement st=con.prepareStatement(q);
                    st.setString(1,String.valueOf(request.getParameter("name")));
                    st.setString(2,String.valueOf(request.getParameter("city")));

                    st.setString(3,String.valueOf(request.getParameter("cid")));


                    st.executeUpdate();
                    System.out.print("All good");
                    doGet(request, response);




} catch (SQLException e1) {

          e1.printStackTrace();
}


 }


}
```
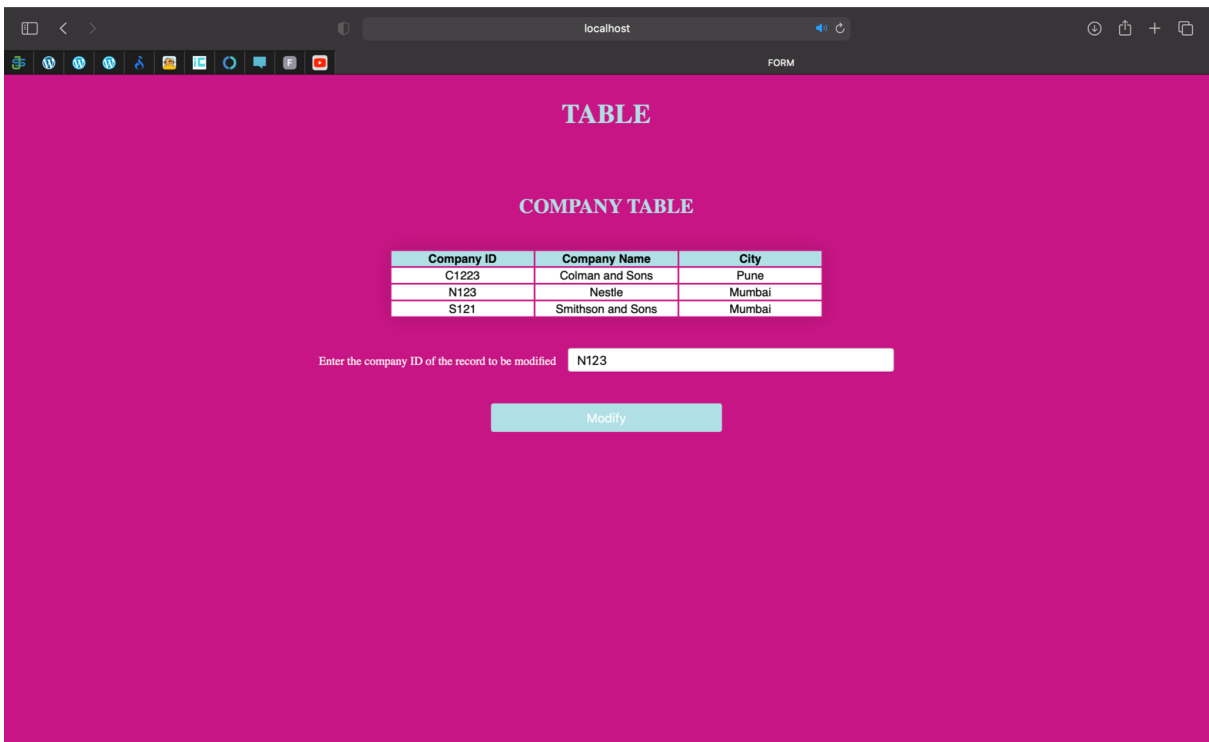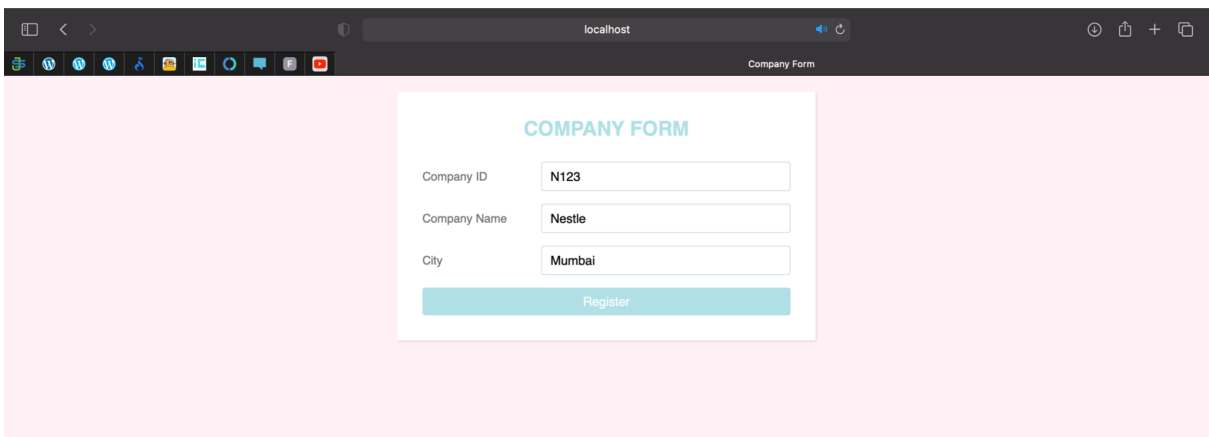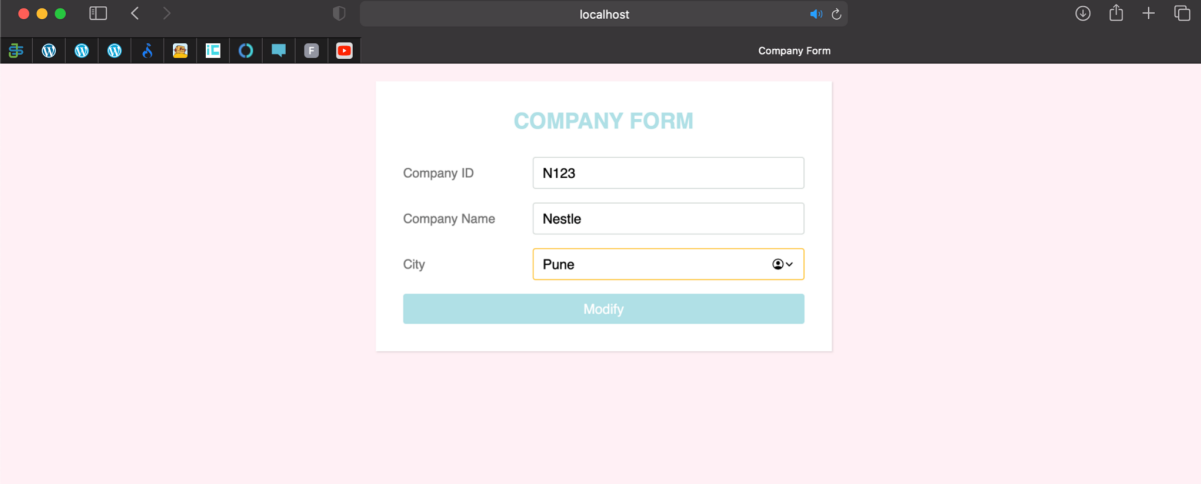
OUTPUT:

REDIRECTS TO FORM WITH ALL THE DETAILS FILLED IN

EDIT AS YOU WISH
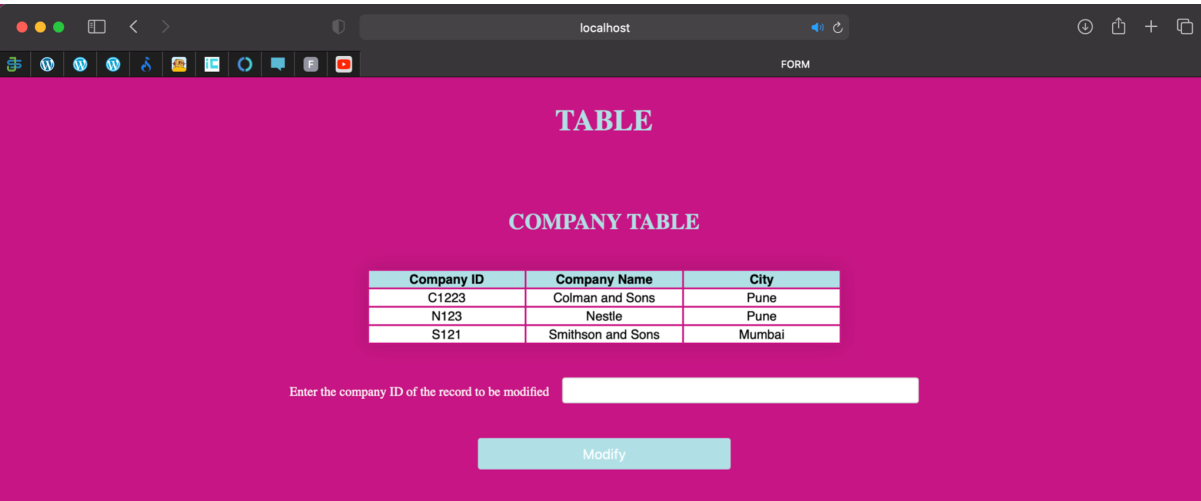
AFTER SUBMITTING THE FROM, THE USER IS REDIRECTED AGAIN

E. PRINTING ALL RECORDS OF EMPLOYEES BELONGING TO A PARTICULAR COMPANY:

CODE:

```
package com.company;

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.sql.SQLException;
import java.util.ArrayList;
```

```java
import java.util.List;

import javax.servlet.RequestDispatcher;
import javax.servlet.ServletException;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;

import com.mysql.cj.xdevapi.Statement;

public class disprecs extends HttpServlet
{

 public void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException
{          PrintWriter out = response.getWriter();
List dl= new ArrayList();




                    try {
                            Connection con;
                            con = DriverManager.getConnection("jdbc:mysql://localhost:3306/companydb","root",
"Haloarenes");


                                String q1="select * from employees,companies where
employees.CID=companies.CID and company_name=?";


                            PreparedStatement smt=con.prepareStatement(q1);
                            smt.setString(1,String.valueOf(request.getParameter("cname")));
                             System.out.println(String.valueOf(request.getParameter("cname")));
                    ResultSet rs=smt.executeQuery();
                    while (rs.next ()){



                            dl.add(rs.getString("empId"));

                            dl.add(rs.getString("emp_name"));
                            dl.add(rs.getString("CID"));

                            dl.add(rs.getString("dept_name"));
                            dl.add(rs.getString("designation"));
                            dl.add(Double.toString(rs.getDouble("salary")));


                            }




                    request.setAttribute("data",dl);

                    RequestDispatcher rd = request.getRequestDispatcher("/disprecs.jsp");
                    rd.forward(request, response);
```

```java
        } catch (SQLException e1) {
                // TODO Auto-generated catch block
                e1.printStackTrace();
        }




    }

    public void doPost(HttpServletRequest request, HttpServletResponse response)throws ServletException, IOException
    {       try {


String company=String.valueOf(request.getParameter("cname"));
request.setAttribute("company",company);
System.out.println(String.valueOf(request.getParameter("cname")));
doGet(request,response);


} catch (Exception e1) {

        e1.printStackTrace();
}


    }
}
```
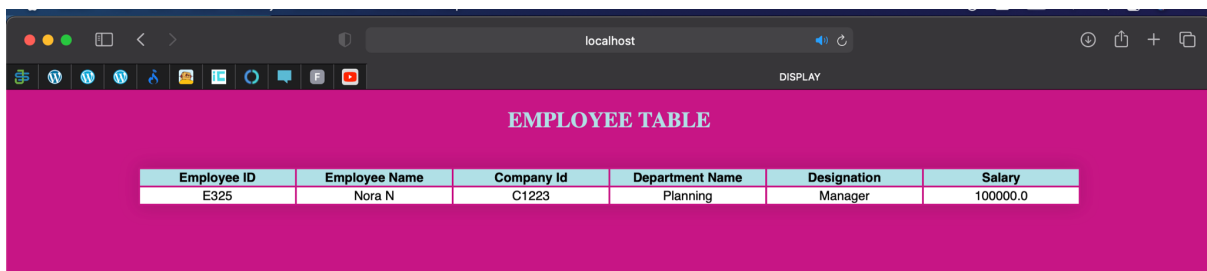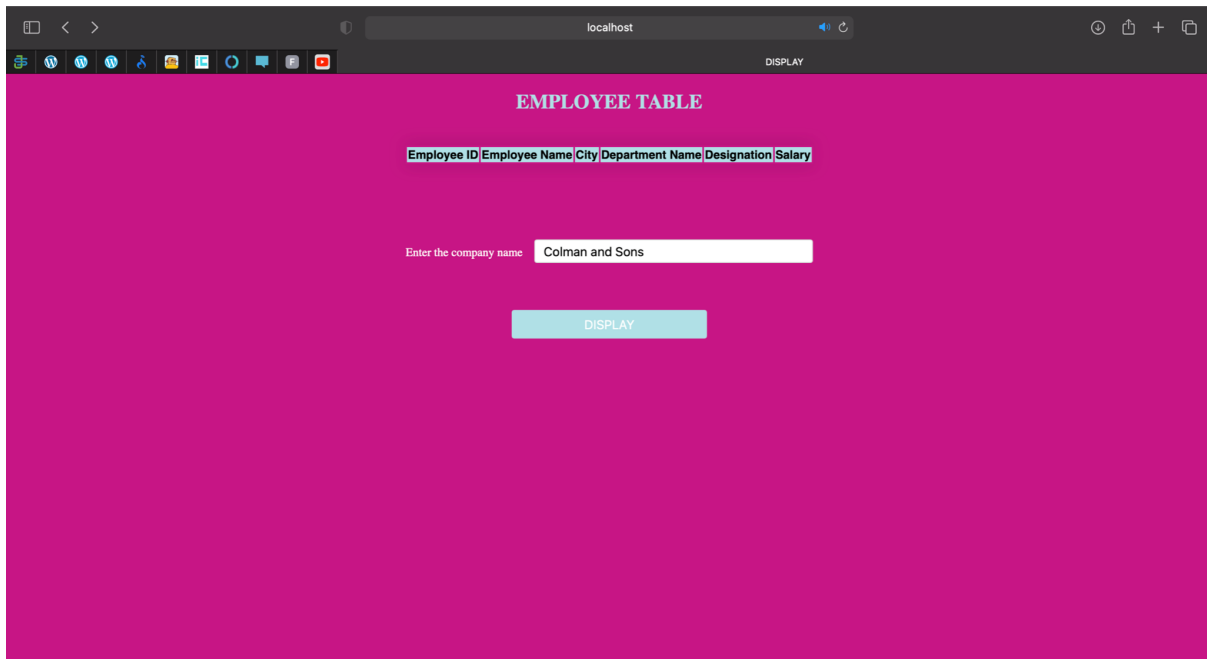
SCREENSHOTS:

EMPLOYEE TABLE

Employee ID	Employee Name	City	Department Name	Designation	Salary

Enter the company name   Colman and Sons

DISPLAY

EMPLOYEE TABLE

Employee ID	Employee Name	Company Id	Department Name	Designation	Salary
E325	Nora N	C1223	Planning	Manager	100000.0

WEBXML:

```xml
<?xml version="1.0" encoding="UTF-8"?>
<web-app xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://xmlns.jcp.org/xml/ns/javaee"
xsi:schemaLocation="http://xmlns.jcp.org/xml/ns/javaee http://xmlns.jcp.org/xml/ns/javaee/web-app_4_0.xsd"
id="WebApp_ID" version="4.0">
  <display-name>DA3</display-name>
  <welcome-file-list>
    <welcome-file>index.html</welcome-file>
    <welcome-file>index.htm</welcome-file>
    <welcome-file>index.jsp</welcome-file>
    <welcome-file>default.html</welcome-file>
    <welcome-file>default.htm</welcome-file>
    <welcome-file>default.jsp</welcome-file>
  </welcome-file-list>

<servlet>
<servlet-name>abc</servlet-name>
<servlet-class>com.company.AddServlet</servlet-class>

</servlet>

<servlet-mapping>
<servlet-name>abc</servlet-name>
<url-pattern>/add</url-pattern>
</servlet-mapping>
```

```xml
<servlet>
<servlet-name>abc1</servlet-name>
<servlet-class>com.company.EmpTable</servlet-class>

</servlet>

<servlet-mapping>
<servlet-name>abc1</servlet-name>
<url-pattern>/addtodb</url-pattern>

</servlet-mapping>


<servlet>
<servlet-name>abc2</servlet-name>
<servlet-class>com.company.AddRecords</servlet-class>

</servlet>

<servlet-mapping>
<servlet-name>abc2</servlet-name>
<url-pattern>/addrecords</url-pattern>

</servlet-mapping>

<servlet>
<servlet-name>abc3</servlet-name>
<servlet-class>com.company.AddRecords1</servlet-class>

</servlet>

<servlet-mapping>
<servlet-name>abc3</servlet-name>
<url-pattern>/addrecords1</url-pattern>

</servlet-mapping>


<servlet>
<servlet-name>abc4</servlet-name>
<servlet-class>com.company.AddRecords2</servlet-class>

</servlet>

<servlet-mapping>
<servlet-name>abc4</servlet-name>
<url-pattern>/addrecords2</url-pattern>

</servlet-mapping>

<servlet>
<servlet-name>abc5</servlet-name>
<servlet-class>com.company.DelRecords</servlet-class>

</servlet>
```

```xml
<servlet-mapping>
<servlet-name>abc5</servlet-name>
<url-pattern>/delrecs</url-pattern>

</servlet-mapping>


<servlet>
<servlet-name>abc6</servlet-name>
<servlet-class>com.company.update</servlet-class>

</servlet>

<servlet-mapping>
<servlet-name>abc6</servlet-name>
<url-pattern>/update</url-pattern>

</servlet-mapping>



<servlet>
<servlet-name>abc7</servlet-name>
<servlet-class>com.company.update1</servlet-class>

</servlet>

<servlet-mapping>
<servlet-name>abc7</servlet-name>
<url-pattern>/update1</url-pattern>

</servlet-mapping>


<servlet>
<servlet-name>abc8</servlet-name>
<servlet-class>com.company.disprecs</servlet-class>

</servlet>

<servlet-mapping>
<servlet-name>abc8</servlet-name>
<url-pattern>/disprecs</url-pattern>

</servlet-mapping>



</web-app>
```

DRIVE LINK FOR HTML AND JSP FILES:

https://drive.google.com/drive/folders/1_wpocdu59seL_Rw1dSnuiBe_aeVAcBcO?usp=sharing