Experiment: 4

Aim: Design a form to input details of an employee and submit the data to a servlet. Write code for servlet that will save the entered details as a new record in database table Employee with fields (EmpId, EName, Email, Age)

Code:

1. web.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<web-app version="3.1" xmlns="http://xmlns.jcp.org/xml/ns/javaee"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://xmlns.jcp.org/xml/ns/javaee
http://xmlns.jcp.org/xml/ns/javaee/web-app_3_1.xsd">
  <servlet>
    <servlet-name>Sample</servlet-name>
    <servlet-class>Sample</servlet-class>
  </servlet>
  <servlet-mapping>
    <servlet-name>Sample</servlet-name>
    <url-pattern>/Sample</url-pattern>
  </servlet-mapping>
</web-app>
```

2. index.html

```
<!DOCTYPE html>
<html>
  <head>
    <title>TODO supply a title</title>
    <meta charset="UTF-8">
        <meta name="viewport" content="width=device-width, initial-
        scale=1.0">
  </head>
  <body>
    <form method="POST" action="/Test_Examples/Sample"> Enter
```

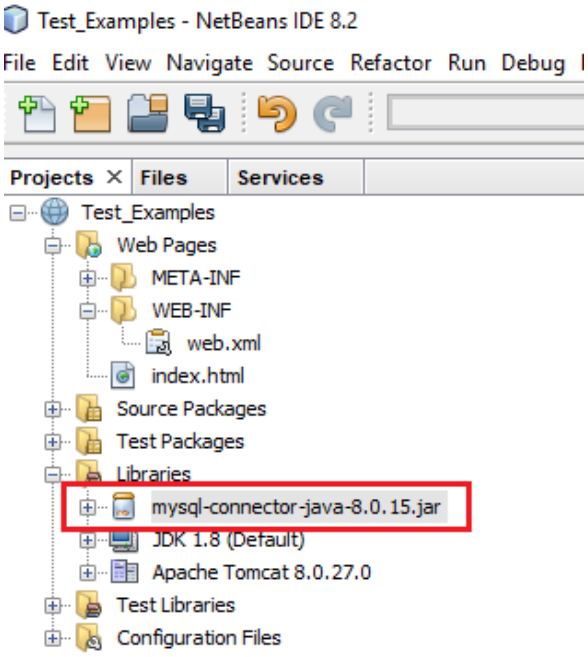
```
        Employee Id: <input type="number" name="id"/><br/>
        Enter Employee Name: <input type="text" name="name"/><br/> Enter
        Employee Email: <input type="text" name="email"/><br/> Enter
        Employee Age: <input type="number" name="age"/><br/>
                <input type="submit" value="SUBMIT"/></form>
   </body>
</html>
```

3. Sample.java

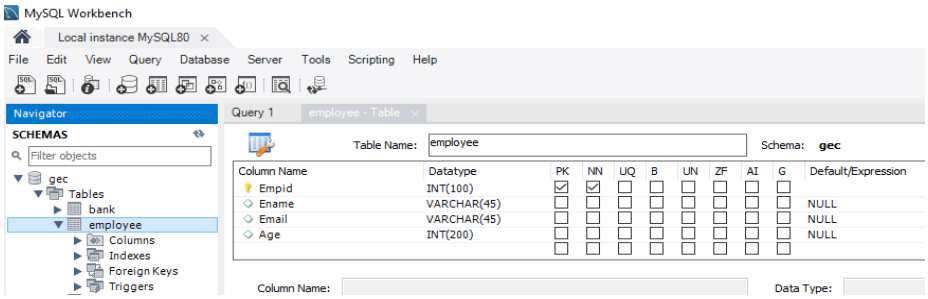
```
import java.io.*;
import javax.servlet.http.*;
import javax.servlet.*;
import java.sql.*;
public class Sample extends HttpServlet
{
   @Override
        Protected void     doPost(HttpServletRequest request, HttpServletResponse
        response) throws ServletException, IOException
        {
                response.setContentType("text/html;charset=UTF-8");
                PrintWriter out = response.getWriter();
                try
                {
                        Class.forName("com.mysql.jdbc.Driver");
                        Connection
                        con=DriverManager.getConnection("jdbc:mysql://localhost
                        :3306/gec","root","root");
                        PreparedStatement        pst=con.prepareCall("insert        into
                        employee values(?,?,?,?)");
                        pst.setInt(1,Integer.parseInt(request.getParameter("id")));
                        pst.setString(2, request.getParameter("name")); pst.setString(3,
                        request.getParameter("email"));
```

```
                    pst.setInt(4,
                    Integer.parseInt(request.getParameter("age")));
                    pst.executeUpdate();
                    out.println("Data Inserted Sucessfully...");
                }
                catch(Exception e){out.println(e.getMessage());}
            }
    }
```

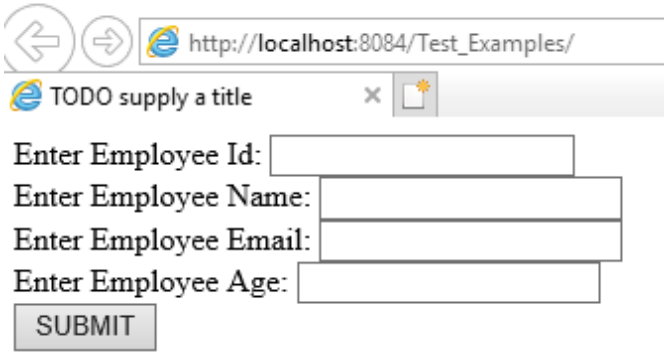
Output:



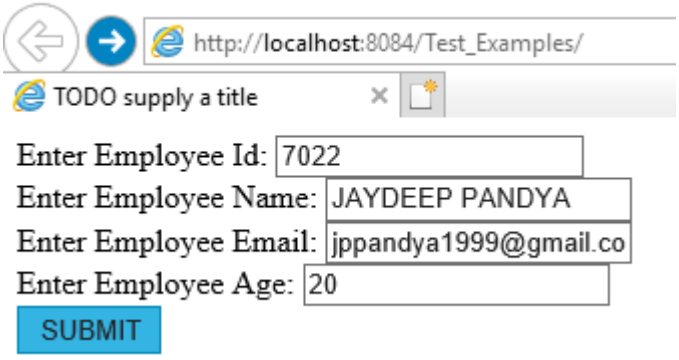
Employee table will be created in MySQL Workbench 80:

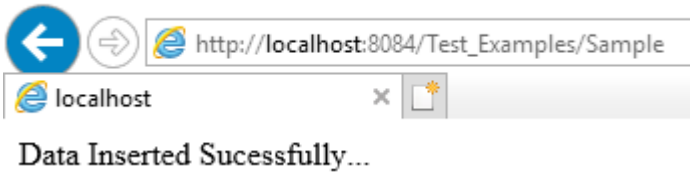


Running an application now…



Entering a detail of an employee and press on SUBMIT Button then.





Now… See in MySQL WorkBench80….