#### Practical No. 9(a)

Q. Develop simple EJB application to demonstrate servlet hit count using Singleton Session Beans.

#### index.html

#### CountServletHitsBean.java

```
package ejb;
import javax.ejb.Singleton;

@Singleton
public class CountServletHitsBean {
    private int hitCount;
    public synchronized int getCount()
    {
       return hitCount++;
    }
}
```

#### ServletClient.java

```
package servlet;
import java.io.IOException;
import java.io.PrintWriter;
import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
```

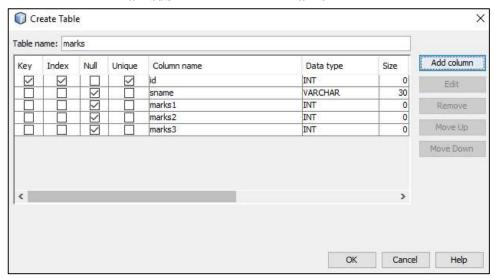
#### **Output:**



#### Practical No. 10(a)

# Q. Develop simple Marks Entry Application to demonstrate accessing database using stateful EJB.

Create a database **marksdb** and create a table **marks**.



Add mysql-connector-java-5.1.23-bin.jar file to Library folder of your web application.

## index.jsp

```
<%@page import="mybeans.MarksEntryBean"%>
<%@page import="javax.naming.InitialContext" %>
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<!DOCTYPE html>

<%!

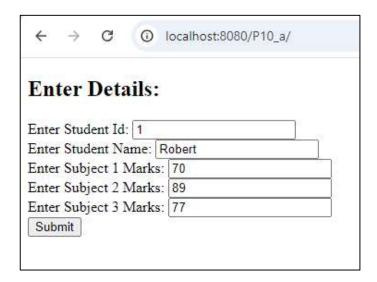
private static MarksEntryBean obj;
public void jspInit()
{
    try {
        InitialContext ic = new InitialContext();
        obj = (MarksEntryBean)ic.lookup("java:global/P10_a/MarksEntryBean");
        }
        catch(Exception e)
        {
            System.out.println(e);
        }
    }
}
%>
<%</pre>
```

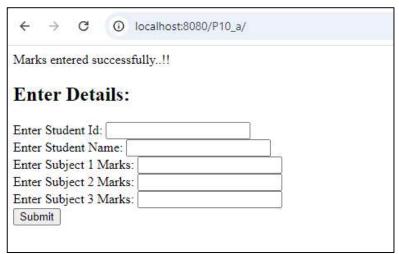
```
if(request.getParameter("InsertMarks")!=null)
    String sname:
    int id, marks1, marks2, marks3;
    id = Integer.parseInt(request.getParameter("id"));
    sname = request.getParameter("sname");
    marks1 = Integer.parseInt(request.getParameter("m1"));
    marks2 = Integer.parseInt(request.getParameter("m2"));
    marks3 = Integer.parseInt(request.getParameter("m3"));
    obj.addMarks(id,sname,marks1,marks2,marks3);
    out.println("Marks entered successfully..!!");
%>
<html>
  <head>
    <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
    <title>JSP Page</title>
  </head>
  <body>
    <h2>Enter Details:</h2>
    <form name="result" method="post">
       Enter Student Id: <input type="text" name="id"><br>
       Enter Student Name: <input type="text" name="sname"><br>
       Enter Subject 1 Marks: <input type="text" name="m1"><br>
       Enter Subject 2 Marks: <input type="text" name="m2"><br>
       Enter Subject 3 Marks: <input type="text" name="m3"><br>
       <input type="submit" name="InsertMarks"/><br>
    </form>
  </body>
</html>
```

# MarksEntryBean.java

```
con = DriverManager.getConnection("jdbc:mysql://localhost:3306/marksdb","root","");
    st = con.createStatement();
    query = "insert into marks(id,sname,marks1,marks2,marks3) values
(""+id+"",""+sname+"",""+m1+"",""+m2+"",""+m3+"")";
    st.executeQuery(query);
    }
    catch(Exception e) {System.out.println(e);}
}
```

### **Output:**





#	id	sname	marks1	marks2	marks3
1	1	1 Robert	70	89	77 /