To implement a web application based on the MVC design pattern with data base.

CREATETABLEemployee1 (idint,first\_namevarchar(20),last\_namevarchar(20),usernamevarchar(250),passwordvarchar(20) ,addressvarchar(45),contactvarchar(45));

PROGRAM:

Employee.java

**package** com.pu;

**import** java.io.\*;

**publicclass** Employee {

**privateint**id;

**private** String firstName;

**private** String lastName;

**private** String username;

**private** String password;

**private** String address;

**private** String contact;

**public int** getId() {

**return** id;

}

**public void** setId(**int**id) {

**this**.id = id;

}

**public** String getFirstName() {

**return** firstName;

}

**public void** setFirstName(String firstName) {

**this**.firstName = firstName;

}

**public** String getLastName() {

**return** lastName;

}

**public void** setLastName(String lastName) {

**this**.lastName = lastName;

}

**public** String getUsername() {

**return** username;

}

**public void** setUsername(String username) {

**this**.username = username;

}

**public** String getPassword() {

**return** password;

}

**public void** setPassword(String password) {

**this**.password = password;

}

**public** String getAddress() {

**return** address;

}

**public void** setAddress(String address) {

**this**.address = address;

}

**public** String getContact() {

**return** contact;

}

**public void** setContact(String contact) {

**this**.contact = contact;

}

}

EmployeeServlet.java

**package** com.pu;

**import** java.sql.\*;

**import** jakarta.servlet.\*;

**import** java.io.\*;

**publicclass** EmployeeServlet **extends** HttpServlet {

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

response.setContentType("text/html");

PrintWriter out=response.getWriter();

**int** id = Integer.*valueOf*(request.getParameter("id"));

String fn=request.getParameter("firstName");

String ln=request.getParameter("lastName");

String un=request.getParameter("username");

String pwd=request.getParameter("password");

String addr=request.getParameter("address");

String cont=request.getParameter("contact");

Employee emp = **new** Employee();

emp.setId(id);

emp.setFirstName(fn);

emp.setLastName(ln);

emp.setUsername(un);

emp.setPassword(pwd);

emp.setAddress(addr);

emp.setContact(cont);

request.setAttribute("emp",emp);

**int** result = 0;

**try**{

Class.*forName*("com.mysql.cj.jdbc.Driver");

Connection connection = DriverManager.*getConnection*("jdbc:mysql://localhost:3306/god","root","admin123");

String query = "INSERT INTO employee1 (id, first\_name, last\_name, username, password, address, contact) VALUES (?, ?, ?, ?, ?,?,?);";

PreparedStatement preparedStatement = connection.prepareStatement(query);

preparedStatement.setInt(1, emp.getId());

preparedStatement.setString(2, emp.getFirstName());

preparedStatement.setString(3, emp.getLastName());

preparedStatement.setString(4, emp.getUsername());

preparedStatement.setString(5, emp.getPassword());

preparedStatement.setString(6, emp.getAddress());

preparedStatement.setString(7, emp.getContact());

System.***out***.println(preparedStatement);

result = preparedStatement.executeUpdate();

RequestDispatcher rd=request.getRequestDispatcher("employeedetail.jsp");

rd.forward(request,response);

} **catch** (Exception e) {

System.***err***.println(e);

}

}

}

employeeregister.jsp

<%@pagelanguage=*"java"*contentType=*"text/html; charset=ISO-8859-1"*

pageEncoding=*"ISO-8859-1"*%>

<!DOCTYPEhtml>

<html>

<head>

<metacharset=*"ISO-8859-1"*>

<title>Insert title here</title>

</head>

<body>

<h1>Employee Register Form</h1>

<formaction=*"EmployeeServlet"*method=*"post"*>

<tablestyle="with: *50%*">

<tr>

<td>Registration Id</td>

<td><inputtype=*"text"*name=*"id"*/></td>

</tr>

<tr>

<td>First Name</td>

<td><inputtype=*"text"*name=*"firstName"*/></td>

</tr>

<tr>

<td>Last Name</td>

<td><inputtype=*"text"*name=*"lastName"*/></td>

</tr>

<tr>

<td>UserName</td>

<td><inputtype=*"text"*name=*"username"*/></td>

</tr>

<tr>

<td>Password</td>

<td><inputtype=*"password"*name=*"password"*/></td>

</tr>

<tr>

<td>Address</td>

<td><inputtype=*"text"*name=*"address"*/></td>

</tr>

<tr>

<td>Contact No</td>

<td><inputtype=*"text"*name=*"contact"*/></td>

</tr>

</table>

<inputtype=*"submit"*value=*"Submit"*/></form>

</body>

</html>

employeedetail.jsp

<%@pagelanguage=*"java"*contentType=*"text/html; charset=ISO-8859-1"*

pageEncoding=*"ISO-8859-1"*%>

<%@pageimport=*"com.pu.\*"*%>

<!DOCTYPEhtml>

<html>

<head>

<metacharset=*"ISO-8859-1"*>

<title>Insert title here</title>

</head>

<body>

<%

out.print("You are successfully registered");

%>

</body>

</html>

RESULT:

Thus, to implement a simple MVC web application using JSP and Servlet.