

## Practical No. 17

**Objective:** Demonstrate the use of entity beans.

**Theory:**

An "Entity Bean" is a type of **Enterprise JavaBean**, a server-side **Java EE** component, that represents persistent data maintained in a **database**. An entity bean can manage its own persistence (Bean managed persistence) or can delegate this function to its **EJB Container** (Container managed persistence). An entity bean is identified by a primary key. If the container in which an entity bean is hosted crashes, the entity bean, its primary key, and any remote references survive the crash.

**Source Code:**

### Index.jsp

```
<%@ page language="java" import="java.util.*" pageEncoding="ISO-88591"%>
<%String path = request.getContextPath();%>
String basePath =
request.getScheme() + "://" + request.getServerName() + ":" + request.getServerPort()
+ path + "/";
%>
<html><head>
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <link rel="stylesheet"
href="http://code.jquery.com/mobile/1.3.2/jquery.mobile-1.3.2.min.css">
    <script src="http://code.jquery.com/jquery-1.9.1.min.js"></script>
    <script src="http://code.jquery.com/mobile/1.3.2/
jquery.mobile-1.3.2.min.js"></script>
    <base href="<%=basePath%>">
    <title>My JSP 'index.jsp' starting page</title> <meta http-
equiv="pragma" content="no-cache"><meta http-equiv="cache-
control" content="no-cache"> <meta http-equiv="expires"
content="0">
<meta http-equiv="keywords" content="keyword1,keyword2,keyword3"> <meta http-
equiv="description" content="This is my page "></head><body>
    <form action="way1.jsp">
    <table border="1">
        <tr>
            <td>Name</td>
            <td><input type="text" name="tname"></td></tr> <tr>
            <td>Phone</td>
            <td><input type="text" name="telephone"></td>
        </tr><tr>
            <td>City</td>
            <td><input type="text" name="tcity" ></td></tr> <tr>
            <td colspan="2" align="center">
                <div data-role="fieldcontain">
                </div>
                <input type="submit" value="submit"></tr>
            </table></form>          </body></html>
                                packag
Employee.java:      e      pack;
```

```

    priva
public class Employee {      te
                           publi
String name,city,phone;      c

String getName() {      return name;}
public void setName(String name) {
this.name = name}
public String getCity() {
return city;}
public void setCity(String city) {
this.city = city;} public String
getPhone() { return phone;}
public void setPhone(String phone) {
this.phone = phone;} } Way1.jsp:
<%@ page language="java" import="java.util.*" pageEncoding="ISO-88591"%><%
String path = request.getContextPath();
String basePath =
request.getScheme()+"://"+request.getServerName()+":"+request.getServerPort()
+path+"/";
%>
<html><head>
<base href="<%basePath%>">
<title>My JSP 'way1.jsp' starting page</title> <meta http-
equiv="pragma" content="no-cache">
<meta http-equiv="cache-control" content="no-cache"> <meta
http-equiv="expires" content="0">
<meta http-equiv="keywords" content="keyword1,keyword2,keyword3"> <meta http-
equiv="description" content="This is my page">
<!--<link rel="stylesheet" type="text/css" href="styles.css">--> </
head><body>
<jsp:useBean id="emp" scope="page" class="pack.Employee"></jsp:useBean>
<jsp:setProperty property="name" name="emp" value="<%
=request.getParameter("tname") %>">
<jsp:setProperty property="phone" name="emp" value="<%
=request.getParameter("telephone") %>">
<jsp:setProperty property="city" name="emp" value="<%
=request.getParameter("tcity") %>">
<hr> Name:<jsp:getProperty property="name" name="emp"/><br> phone:
<jsp:getProperty property="phone" name="emp"/><br> city: <jsp:getProperty
property="city" name="emp"/><br>
</body>
</html>

```

**Output:**

→ ⌂ ⌂ 192.168.1.6/testify/

Name	<input type="text"/>
Phone	<input type="text"/>
City	<input type="text"/>
<input type="button" value="submit"/>	

→ ⌂ ⌂ 192.168.1.6/testify/

Name	ujwal
Phone	8005000099
City	kd
<input type="button" value="submit"/>	

→ ⌂ ⌂ 192.168.1.6/testify/

Submitted  
Name: ujwal  
Phone: 8005000099  
City: kd