

JSF - ADD DATA TO DATATABLE

http://www.tutorialspoint.com/jsf/jsf_add_datatable.htm

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In this article, we'll showcase adding a row to a datatable

Example Application

Let us create a test JSF application to test the above functionality.

Step	Description
1	Create a project with a name <i>helloworld</i> under a package <i>com.tutorialspoint.test</i> as explained in the <i>JSF - Display DataTable</i> sub-chapter of <i>JSF - Data Tables</i> chapter.
2	Modify <i>home.xhtml</i> as explained below. Keep rest of the files unchanged.
3	Compile and run the application to make sure business logic is working as per the requirements.
4	Finally, build the application in the form of war file and deploy it in Apache Tomcat Webserver.
5	Launch your web application using appropriate URL as explained below in the last step.

home.xhtml

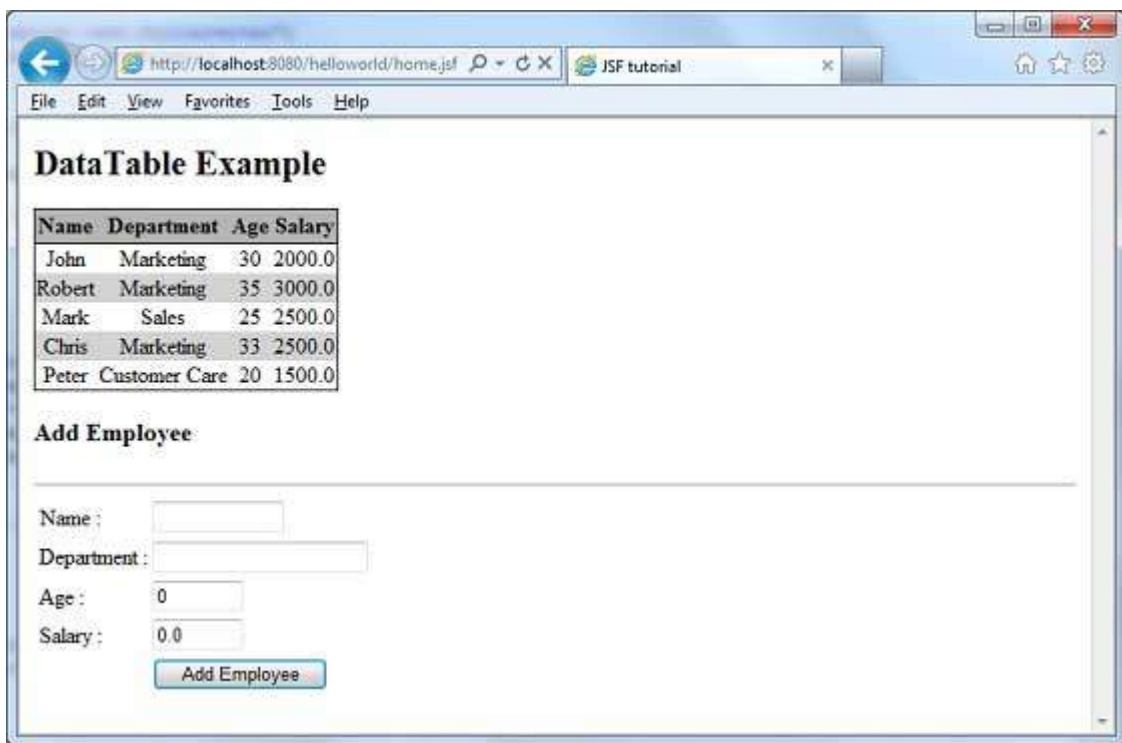
```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml"
xmlns:h="http://java.sun.com/jsf/html"
xmlns:f="http://java.sun.com/jsf/core">
  <h:head>
    <title>JSF tutorial</title>
    <h:outputStylesheet library="css" name="styles.css" />
  </h:head>
  <h:body>
    <h2>DataTable Example</h2>
    <h:form>
      <h:dataTable value="#{userData.employees}" var="employee"
        styleClass="employeeTable"
        headerClass="employeeTableHeader"
        rowClasses="employeeTableOddRow,employeeTableEvenRow">
        <h:column>
          <f:facet name="header">Name</f:facet>
          #{employee.name}
        </h:column>
        <h:column>
          <f:facet name="header">Department</f:facet>
          #{employee.department}
        </h:column>
        <h:column>
          <f:facet name="header">Age</f:facet>
          #{employee.age}
        </h:column>
        <h:column>
          <f:facet name="header">Salary</f:facet>
          #{employee.salary}
        </h:column>
      </h:dataTable>
      <h3>Add Employee</h3>
    </h:form>
  </h:body>
</html>
```

```

<tr>
    <td>Name :</td>
    <td><h:inputText size="10" value="#{userData.name}" /></td>
</tr>
<tr>
    <td>Department :</td>
    <td><h:inputText size="20" value="#{userData.dept}" /></td>
</tr>
<tr>
    <td>Age :</td>
    <td><h:inputText size="5" value="#{userData.age}" /></td>
</tr>
<tr>
    <td>Salary :</td>
    <td><h:inputText size="5" value="#{userData.salary}" /></td>
</tr>
<tr>
    <td> </td>
    <td><h:commandButton value="Add Employee"
        action="#{userData.addEmployee}" /></td>
</tr>
</table>
</h:form>
</h:body>
</html>

```

Once you are ready with all the changes done, let us compile and run the application as we did in JSF - First Application chapter. If everything is fine with your application, this will produce following result:

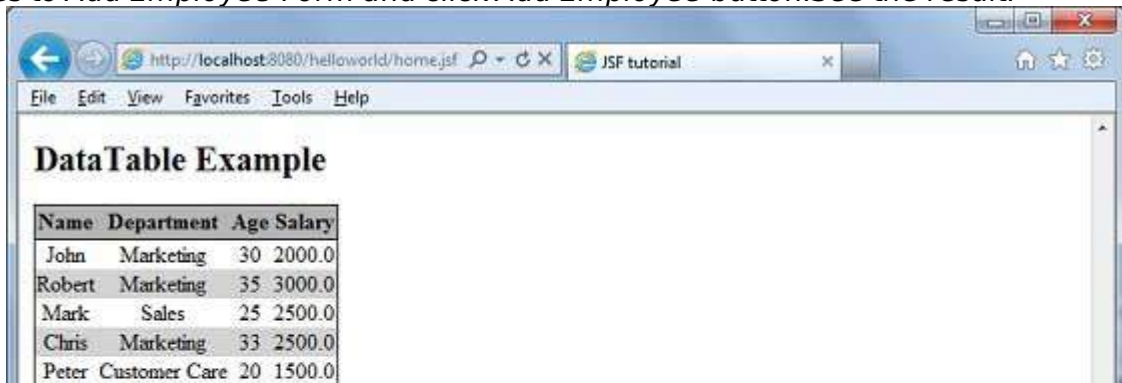


The screenshot shows a web browser window with the address bar displaying 'http://localhost:8080/helloworld/home.jsf'. The page title is 'JSF tutorial'. The main content area is titled 'Data Table Example'. It features a table with the following data:

Name	Department	Age	Salary
John	Marketing	30	2000.0
Robert	Marketing	35	3000.0
Mark	Sales	25	2500.0
Chris	Marketing	33	2500.0
Peter	Customer Care	20	1500.0

Below the table is a section titled 'Add Employee'. It contains four input fields: 'Name', 'Department', 'Age' (with a value of 0), and 'Salary' (with a value of 0.0). There is an 'Add Employee' button at the bottom of this section.

Add values to *Add Employee* Form and click *Add Employee* button. See the result.



This screenshot shows the same web browser window as the previous one, but with an additional row added to the table. The table now contains six rows of data:

Name	Department	Age	Salary
John	Marketing	30	2000.0
Robert	Marketing	35	3000.0
Mark	Sales	25	2500.0
Chris	Marketing	33	2500.0
Peter	Customer Care	20	1500.0

The 'Add Employee' form and button remain visible below the table.

Laura Sales 20 2000.0

Add Employee

Name :

Department :

Age :

Salary :