JSF - H:SELECTMANYCHECKBOX

The h:selectManyCheckbox tag renders a set of HTML input element of type "checkbox", and format it with HTML table and label tags.

JSF Tag

```
<h:selectManyCheckbox value="#{userData.data}">
   <f:selectItem itemValue="1" itemLabel="Item 1" />
   <f:selectItem itemValue="2" itemLabel="Item 2" />
</h:selectManyCheckbox>
```

Rendered Output

```
<table>
   <tr>
      <td><input name="j_idt6:j_idt8"
            type="checkbox" checked="checked" />
         <label for="j_idt6:j_idt8:0" > Item 1</label>
      </td>
      <td><input name="j_idt6:j_idt8"
            type="checkbox" checked="checked" />
         <label for="j_idt6:j_idt8:1" > Item 2</label>
      </td>
   </tr>
</table>
```

Tag Attributes

S.N.	Attribute & Description
1	**id** Identifier for a component
2	**binding** Reference to the component that can be used in a backing bean
3	**rendered** A boolean; false suppresses rendering
4	**styleClass** Cascading stylesheet *CSS* class name
5	**value** A component’s value, typically a value binding
6	**valueChangeListener** A method binding to a method that responds to value changes
7	**converter**

Converter class name

8 **validator**

Class name of a validator that’s created and attached to a component

9 **required**

A boolean; if true, requires a value to be entered in the associated field

10 **accesskey**

A key, typically combined with a system-defined metakey, that gives focus to an element

11 **accept**

Comma-separated list of content types for a form

12 **accept-charset**

Comma- or space-separated list of character encodings for a form. The **accept-charset** attribute is specified with the JSF HTML attribute named **acceptcharset**.

13 **alt**

Alternative text for nontextual elements such as images or applets

14 **charset**

Character encoding for a linked resource

15 **coords**

Coordinates for an element whose shape is a rectangle, circle, or polygon

16 **dir**

Direction for text. Valid values are **ltr** *lefttoright* and **rtl** *righttoleft*.

17 **disabled**

Disabled state of an input element or button

18 **hreflang**

Base language of a resource specified with the **href** attribute; **hreflang** may only be used with **href**.

19 **lang**

Base language of an element’s attributes and text

20 **maxlength**

Maximum number of characters for text fields

21 **readonly**

Read-only state of an input field; text can be selected in a readonly field but not edited

22 **rel**

Relationship between the current document and a link specified with the **href** attribute

23 **rev**

Reverse link from the anchor specified with **href** to the current document. The value of the attribute is a space-separated list of link types.

24 **rows**

Number of visible rows in a text area. **h:dataTable** has a **rows** attribute, but it's not an HTML pass-through attribute.

25 **shape**

Shape of a region. Valid values: **default**, **rect**,**circle**, **poly**. *defaultsignifiestheentireregion*

26 **style**

Inline style information

27 **tabindex**

Numerical value specifying a tab index

28 **target**

The name of a frame in which a document is opened

29 **title**

A title, used for accessibility, that describes an element. Visual browsers typically create tooltips for the title's value

30 **type**

Type of a link; for example, **stylesheet**

31 **width**

Width of an element

32 **onblur**

Element loses focus

33 **onchange**

Element's value changes

34 **onclick**

Mouse button is clicked over the element

35 **ondblclick**

Mouse button is double-clicked over the element

36 **onfocus**

Element receives focus

37 **onkeydown**

Key is pressed

38 **onkeypress**

Key is pressed and subsequently released

39 **onkeyup**

Key is released

40 **onmousedown**

Mouse button is pressed over the element

41 **onmousemove**

Mouse moves over the element

42 **onmouseout**

Mouse leaves the element’s area

43 **onmouseover**

Mouse moves onto an element

44 **onmouseup**

Mouse button is released

45 **onreset**

Form is reset

46 **onselect**

Text is selected in an input field

47 **disabledClass**

CSS class for disabled elements

48 **enabledClass**

CSS class for enabled elements

49 **layout**

Specification for how elements are laid out: lineDirection *horizontal* or pageDirection *vertical*

50 **border**

border of the element

Example Application

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

Step	Description
1	Create a project with a name *helloworld* under a package *com.tutorialspoint.test* as explained in the *JSF - First Application* chapter.
2	Modify *home.xhtml* as explained below. Keep rest of the files unchanged.
3	Create *result.xhtml* in the webapps directory as explained below.
4	Create *UserData.java* as a managed bean under package *com.tutorialspoint.test* as explained below.
5	Compile and run the application to make sure business logic is working as per the requirements.
6	Finally, build the application in the form of war file and deploy it in Apache Tomcat Webserver.
7	Launch your web application using appropriate URL as explained below in the last step.

UserData.java

```
package com.tutorialspoint.test;

import java.io.Serializable;

import javax.faces.bean.ManagedBean;
import javax.faces.bean.SessionScoped;

@ManagedBean(name = "userData", eager = true)
@SessionScoped
public class UserData implements Serializable {

   private static final long serialVersionUID = 1L;

   public String[] data = {"1","2","3"};

   public String[] getData() {
      return data;
   }

   public void setData(String[] data) {
      this.data = data;
   }
}
```

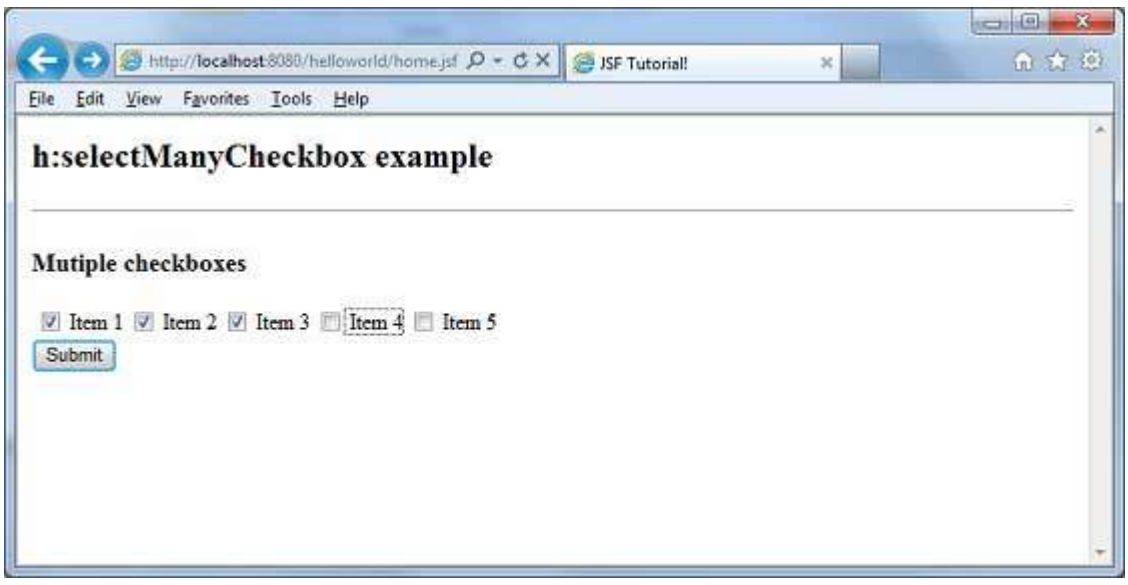
home.xhtml

```
<?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:f="http://java.sun.com/jsf/core"
   xmlns:h="http://java.sun.com/jsf/html">
   <head>
      <title>JSF Tutorial!</title>
   </head>
   <h:body>
      <h2>h:selectManyCheckbox example</h2>
      <hr />
      <h:form>
      <h3>Mutiple checkboxes</h3>
      <h:selectManyCheckbox value="#{userData.data}">
         <f:selectItem itemValue="1" itemLabel="Item 1" />
         <f:selectItem itemValue="2" itemLabel="Item 2" />
         <f:selectItem itemValue="3" itemLabel="Item 3" />
         <f:selectItem itemValue="4" itemLabel="Item 4" />
         <f:selectItem itemValue="5" itemLabel="Item 5" />
      </h:selectManyCheckbox>
      <h:commandButton value="Submit" action="result" />
      </h:form>
   </h:body>
</html>
```

result.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:f="http://java.sun.com/jsf/core"
   xmlns:h="http://java.sun.com/jsf/html"
   xmlns:ui="http://java.sun.com/jsf/facelets">
   <h:body>
      <h2>Result</h2>
      <hr />
      <ui:repeat value="#{userData.data}" var="s">
         #{s}
      </ui:repeat>
   </h:body>
</html>
```

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



Select multiple checkboxes and press **Submit** button.We've selected four items. You will see the selected results.