

28-07-2020

Today we will see the uses of `<x:choose>`, `<x:when>` and `<x:otherwise>` tags.

`<x:choose>` is a conditional tag works like switch statement of Java.

`<x:when>` is a sub-tag of `<x:choose>`. It depends on given condition in body.

`<x:otherwise>` is also a sub-tag of `<x:choose>` and runs if all the `<x:when>` conditions evaluated to 'false'.

Syntax:- `<x:choose>` body content `</x:choose>`

~~⊗~~ `<x:when attribute>` body content `</x:when>`
`<x:otherwise>` body content `</x:otherwise>`

Example:-

```
<%@ taglib prefix="c" uri="http://java.sun.com/jsp/jstl/core" %>
<%@ taglib prefix="x" uri="http://java.sun.com/jsp/jstl/xml" %>
<html> <head> <title> Choose Options Example </title>
</head> <body>
  <h2> Books Information: </h2>
  <x:c:set var="xmltest" />
  <books>
    <book>
      <name> Three different categories of life </name>
      <author> Chetan Bhagat </author>
      <price> 150 </price>
    </book>
  </books>
</body>
</html>
```

</book>

<book>

<name> Tomorrow Land </name>

<author> Brad Bird </author>

<price> 1000 </price>

</book>

</books>

</c:set>

<x:parse xml="{xmltest}" var="output"/>

<x:choose>

<x:when select="\$output//book/author='Chetan Bhagat'">

Book is Written by Chetan Bhagat jee.

</x:when>

<x:when select="\$output//book/author='Brad Bird'">

Book is Written by Brad Bird jee.

</x:when>

<x:otherwise> The author is not known.

</x:otherwise>

</x:choose>

</body>

</html>

Output will be shown as:—

Books Information:

Book is written by Brad Bird,

<x:if> tag - used to evaluate the test expression. It is a simple conditional tag which is used for evaluating its body if the supplied condition is true.

Syntax: - <x:if attributes> body content </x:if>

Example: -

```

<?@ taglib prefix="c" uri="http://java.sun.com/jsp/jstl/core"%>
<?@ taglib prefix="x" uri="http://java.sun.com/jsp/jstl/xml"%>
<html> <head> <title> x:if tags example </title>
</head>
<body> <h2> Vegetable Information: </h2>
<c:set var="vegetables">
  <Vegetable>
    <name> Potato </name>
    <price> 4035 </price>
  </Vegetable>
  <Vegetable>
    <name> Tomato </name>
    <price> 80 </price>
  </Vegetable>
  <Vegetable>
    <name> Onion </name>
    <price> 40 </price>
  </Vegetable>
</Vegetables>
</c:set>
<x:parse xml="$ {vegetables}" var="output"/>
<x:if select="$output/vegetables/vegetable/price < 50">
  Vegetables prices are affordable.
</x:if>

```

</body>

</html>

output of the program will be :-

Vegetable Information

Vegetables prices are affordable.

Now next tag is very important for using in web projects — `<x:transform>`

This tag is used to link relationship between xml file and xsl file.

eg:- `<x:transform xml="{xmlvar}" xsl="{xslvar}" />`

Here, `xmlvar` and `xslvar` are earlier created by using the tags:-

`<c:import var="xmlvar" url="transfer.xml" />`

`<c:import var="xslvar" url="transfer.xsl" />`

The above tag `<c:import>` is used to define

var as — `xmlvar` for `transfer.xml` file.

and var — `xslvar` for `transfer.xsl` file.

• `xml` file contains xml data structure.

• `xsl` file contains xml Style Sheet definition

of data used in `xml` file. In next class — we will see the complete example.