

JSF - F:CONVERTNUMBER

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

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f:convertNumber tag is used to convert a string value to a number of required format.

JSF Tag

```
<f:convertNumber minFractionDigits="2" />
```

Tag Attributes

S.N.	Attribute & Description
1	type number <i>default</i> , currency , or percent
2	pattern Formatting pattern, as defined in java.text.DecimalFormat
3	maxFractionDigits Maximum number of digits in the fractional part
4	minFractionDigits Minimum number of digits in the fractional part
5	maxIntegerDigits Maximum number of digits in the integer part
6	minIntegerDigits Minimum number of digits in the integer part
7	integerOnly True if only the integer part is parsed <i>default: false</i>
8	groupingUsed True if grouping separators are used <i>default: true</i>
9	locale Locale whose preferences are to be used for parsing and formatting
10	currencyCode ISO 4217 currency code to use when converting currency values
11	currencySymbol

Currency symbol to use when converting currency values

Example Application

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

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 - First Application</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:head>
  <h:body>
    <h2>ConvertNumber Example</h2>
    <table border="1" cellspacing="2" cellpadding="2">
      <tr><th>Parameter</th><th>Value Passed</th><th>Output</th></tr>
      <tr><td>minFractionDigits="2"</td><td>100.12345</td>
        <td>
          <h:outputText value="100.12345" >
            <f:convertNumber minFractionDigits="2" />
          </h:outputText>
        </td></tr>
      <tr><td>pattern="#000.000"</td><td>100.12345</td>
        <td>
          <h:outputText value="100.12345" >
            <f:convertNumber pattern="#000.000" />
          </h:outputText>
        </td></tr>
      <tr><td>currencySymbol="$"</td><td>$100</td>
        <td>
          <h:outputText value="$100">
            <f:convertNumber currencySymbol="$" type="currency" />
          </h:outputText>
        </td></tr>
      <tr><td>type="percent"</td><td>100.12345%</td>
        <td>
          <h:outputText value="100.12345%" >
            <f:convertNumber type="percent" />
          </h:outputText>
        </td></tr>
    </table>
  </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:

