

1. To avoid writing java code in jsp we use custom tags.

```
<%  
int a=23;  
int b=34;  
int ans=a+b;  
out.println("Answer:"+ans);  
%>
```

2. Design the custom tag, decide prefix and the tag name

```
<mytag:myadd a="23" b="34" >
```

```
</mytag:myadd>
```

3. To create custom tag use following steps

- a. Add taglib entry in jsp page

```
<%@taglib prefix="mytag"  
uri="/calculate"%>
```

- b. Make entry of uri in web.xml

```
<jsp-config>
```

```
<taglib>
```

```
<taglib-uri>/calculate</taglib-uri>
```

```
<taglib-location>WEB-
```

```
INF/mycalculate.tld</taglib-location >
```

```
</taglib>
```

```
</jsp-config>
```

4. Write mycalculate.tld file

```

<taglib>
  <taglib-version>1.1</taglib-version>
  <jsp-version>1.1</jsp-version>
<tag>
  <name>myadd</name>
  <tag-
class>com.demo.tags.CalculateTag</tag-
class>
<attribute>
  <name>a</name>
  <required>true</required>
  <rtexprvalue>true</rtexprvalue>

</attribute>
<attribute>
  <name>b</name>
  <required>true</required>
  <rtexprvalue>true</rtexprvalue>

</attribute>

</tag>

</taglib>

```

5. Add CalculateTag class in com.demo.tags
 

```

Public class CalculateTag extends
TagSupport{

```

```
Private int a,b;  
//add setter and getter for a and b  
//it gets executed when you reach at the  
beginning of the tag  
public int doStartTag(){  
return EVAL_BODY_INCLUDE;  
  
}  
//it gets executed when you reach at the  
end of the tag  
  
public void doEndTag(){  
    JspWriter out=pageContext.getOut();  
    out.println("In calculate tag");  
    ans=a+b;  
    out.println("sum: "+ans);  
    return EVAL_PAGE;  
}  
}
```