

Taglibs

<ex:Saudacao />

<ex:Saudacao>

Bom Dia

</ex:Saudacao>

<ex:Saudacao message="Bom Dia" />



Taglibs

- **SaudacaoTag.java**

```
package taglibs;  
import javax.servlet.jsp.tagext.*;  
import javax.servlet.jsp.*;  
import java.io.*;  
  
public class SaudacaoTag extends SimpleTagSupport {  
    public void doTag() throws JspException, IOException {  
        JspWriter out = getJspContext().getOut();  
        out.println("Bom Dia");  
    }  
}
```



Taglibs

- minhas_tags.tld

```
<taglib>
```

```
  <tlib-version>1.0</tlib-version>
```

```
  <jsp-version>2.0</jsp-version>
```

```
  <short-name>Exemplo de TLD</short-name>
```

```
  <tag>
```

```
    <name>Saudacao</name>
```

```
    <tag-class>taglibs.SaudacaoTag</tag-class>
```

```
    <body-content>empty</body-content>
```

```
  </tag>
```

```
</taglib>
```



Taglibs

- minhas_tags.tld

```
<taglib>
```

```
  <tlib-version>1.0</tlib-version>
```

```
  <jsp-version>2.0</jsp-version>
```

```
  <short-name>Exemplo de TLD</short-name>
```

```
  <tag>
```

```
    <name>Saudacao</name>
```

```
    <tag-class>taglibs.SaudacaoTag</tag-class>
```

```
    <body-content>empty</body-content>
```

```
  </tag>
```

```
</taglib>
```



Taglibs

```
<%@taglib prefix="ex"  
    uri="WEB-INF/minhas_tags.tld" %>  
  
<html>  
    <body>  
        <ex:Saudacao />  
    </body>  
</html>
```



Taglibs - Conteúdos

- ConteudoTag.java

```
package taglibs;
import javax.servlet.jsp.tagext.*;
import javax.servlet.jsp.*;
import java.io.*;

public class ConteudoTag extends SimpleTagSupport {

    StringWriter sw = new StringWriter();
    public void doTag() throws JspException, IOException {
        getJspBody().invoke(sw);
        getJspContext().getOut().println(sw.toString());
    }
}
```



Taglibs - Conteúdos

- minhas_tags.tld

```
<taglib>
```

```
  <tlib-version>1.0</tlib-version>
```

```
  <jsp-version>2.0</jsp-version>
```

```
  <short-name>Exemplo de TLD com conteúdo</short-name>
```

```
  <tag>
```

```
    <name>Conteudo</name>
```

```
    <tag-class>taglibs.ConteudoTag</tag-class>
```

```
    <body-content>scriptless</body-content>
```

```
  </tag>
```

```
</taglib>
```



Taglibs - Conteúdos

```
<%@taglib prefix="ex"  
    uri="WEB-INF/minhas_tags.tld" %>
```

```
<html>
```

```
<body>
```

```
<ex:Conteudo >
```

Conteúdo da Tag

```
<ex:Conteudo />
```

```
</body>
```

```
</html>
```



Taglibs - Atributos

- **AtributoTag.java**

```
package taglibs;
import javax.servlet.jsp.tagext.*;
import javax.servlet.jsp.*;
import java.io.*;

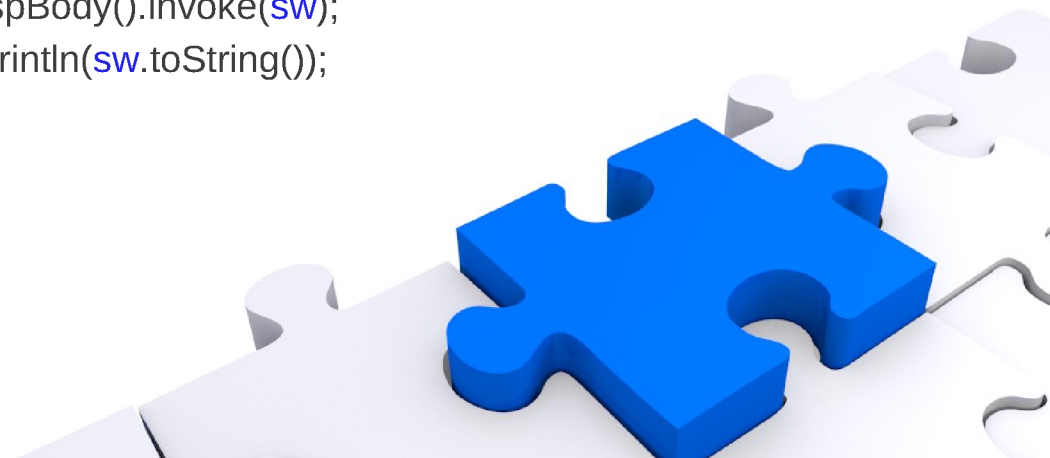
public class AtributoTag extends
SimpleTagSupport {

    private String mensagem;

    public void setMensaje(String msg) {
        this.mensagem = msg;
    }
}
```

```
StringWriter sw = new StringWriter();
```

```
public void doTag() throws JspException,
IOException {
    JspWriter out = getJspContext().getOut();
    if (mensagem != null) {
        out.println( mensagem );
    } else {
        getJspBody().invoke(sw);
        out.println(sw.toString());
    }
}
}
```



Taglibs - Atributos

- minhas_tags.tld

```
<taglib>
```

```
  <tlib-version>1.0</tlib-version>
```

```
  <jsp-version>2.0</jsp-version>
```

```
  <short-name>Exemplo de TLD com conteúdo</short-name>
```

```
  <tag>
```

```
    <name>Atributo</name>
```

```
    <tag-class>taglibs.AtributoTag</tag-class>
```

```
    <body-content>scriptless</body-content>
```

```
    <attribute>
```

```
      <name>mensagem</name>
```

```
    </attribute>
```

```
  </tag>
```

```
</taglib>
```



Taglibs - Atributos

```
<%@ taglib prefix="ex"  
    uri="WEB-INF/minhas_tags.tld"%>  
  
<html>  
    <body>  
        <ex:Atributo mensagem="Bom Dia" />  
    </body>  
</html>
```



Taglibs - Atributos

`<attribute>`

`<name>nome_do_atributo</name>`

`<required>>false</required>`

`<type>java.util.Date</type>`

`</attribute>`



Exercício 12

- Crie 2 (duas) TagLibs para efetuar conversões entre Real e Dollar. A tag deve receber 2 parametros, “cotacao” e “valor”, e caso aconteça algum erro deverá ser exibida uma mensagem configurada através do conteúdo da tag.

