

6-07-2020

Let us continue with previous class

In previous class, we have discussed the implicit objects (all nine) of JSP.

In today's class we will learn about

JSP directives:— The jsp directives are messages that tells the web container how to translate a JSP page into the corresponding servlet.

There are three types of directives—

- page directive
- include directive
- taglib directive

Syntax:—

```
<% @ directive attribute = "value" %>
```

The directive defines attributes that are available to entire jsp page.

Attributes of JSP page directive:—

- import — used to import class, interface, package
- contentType — used to define the MIME type of the HTTP response.
- extends — defines the parent class that will be inherited from by the generated Servlet.
- info — sets the information of the JSP page.

buffer — sets the buffer size in KB

language — specifies the scripting languages used in JSP page

isELIgnored — we can ignore the expression language by this attribute.

isThreadSafe — value of this attribute is true by default. If we make false, web container will serialize multiple requests.

autoFlush — used to enable or disable auto flush

session — used to get session attributes

pageEncoding — used to specify encoding technique

errorPage — used to define error page, that what message should come as output when exception occurs.

isErrorPage — used to declare that the current page is the error page.

Examples of JSP page directives :-

```
<html> <body>
```

```
<%@ page import="java.util.Date" %>
```

```
Today is : <% = new Date () %>
```

```
</body>
```

```
</html>
```

Example of contentType :-

```

<html>
<body>
<% @page contentType = application/msword %>
Today is <% = new java.util.Date() %>
</body>
</html>

```

Example of info :-

```

<html>
<body>
<% @page info = "composed by BCA, Shershah College" %>
Today is <% = new java.util.Date() %>
</body>
</html>

```

Example of buffer :-

```

<html> <body>
<% @page buffer = "20kb" %>
Today is <% = new java.util.Date() %>
</body>
</html>

```

Example of ~~page~~ errorPage attribute :-

```

// index.jsp
<html>
<body>
<% @page errorPage = "myerrorpage.jsp" %>

```

<% = 100/0 %>

</body>

</html>

Example of isErrorPage :-

//myerrorpage.jsp

<html>

<body>

<%@ page isErrorPage="true" %>

Sorry! Exception <br/>

The exception is: <% = exception %>

</body>

</html>

Example of include directive :-

<html>

<body>

<%@ include file="header.html" %>

Today is <% = java.util.Calendar.getInstance().  
getTime() %>

</body>

</html>

