

3-07-2020

5. jsp application

It is an implicit object of type ServletContext class.

→ The instance of ServletContext is created only once by the web container when the application or project is deployed on the server.

→ This object can be used to get initialization parameter from configuration file web.xml. This initialization parameter can be used by all the jsp pages.

Example : →

```

index.html
<html> <head> <title> User Input </title>
</head>
<body>
<form action="welcome">
<input type="text" name="uname">
<input type="submit" value="Submit Form">
<br/>
</form>
</body>
</html>

```

web.xml file:-

<web-app>

<servlet>

<servlet-name>Shershah </servlet-name>

<jsp-file> /welcome.jsp </jsp-file>

</servlet>

<servlet-mapping>

<servlet-name>Shershah </servlet-name>

<url-pattern> /welcome </url-pattern>

</servlet-mapping>

<context-param>

<param-name> drivername </param-name>

<param-value> sun.jdbc.odbc.JdbcOdbcDriver
</param-value>

</context-param>

</web-app>

Explanation :- <web-app> is the root tag in which sub-tags <servlet>, <servlet-mapping>, <context-param> are used.

In-side <servlet>, <servlet-name> and <jsp-file> tag is used to specify servlet name of the file for that responsible.

In-side `<servlet-mapping>` tag,

`<servlet-name>` and `<url-pattern>` tag is used to specify the link for "Shershah" servlet

which is /welcome

It is executed from html file `<form action="welcome">`

In-side `<context-param>` tag,

`<param-name>` and `<param-value>` tags are used to specify external parameters in the form of name & value term.

Such as drivername to specify the JDBC Driver for the database connectivity which is according to your database.

This "drivername" parameter is used to transfer the driver to the JSP program.

welcome.jsp file:-

```
<%
out.print("Welcome" + request.getParameter("uname"));
String driver = application.getInitParameter("drivername");
out.print("Driver name is : " + driver);
```

`%>`

For Next class — "Session" object
(with example)