

Assignment 6

Aim : Create JSP login page & validate it. Make use of servlets.

Theory :

Q What is JSP ?

- It stands for Java Server Pages.
- It is server side technology.
- Used for creating web application.
- Used to create dynamic web content, in this JSP tags are used to insert Java code into HTML pages.
- JSP provides other functionality like accessing data from DB, transfer control etc.

Q Advantages of JSP ?

- Extension to servlets : Provide all features of servlets by adding some new features like implicit objects, custom tag etc.
- Easy to Maintain : Business logic & presentation logic are implemented independently, helps to manage the JSP easily.
- less complexity
- less code than Servlets
- Exception Handling : JSP takes care of exception handling.

Q Do doGet() , doPost() ?

- doGet() : It is used for getting info. from the server. Handles get requests, it is invoked by the web

container.

Syntax: `doGet(HttpServletRequest req, HttpServletResponse)`

- `doPost()` : It is called by server to allow a servlets to handle a POST, request. Generally we use this method for sending inf. to the server like HTML form data.
- `getLastModified()` :- Returns long integer specifying the time `HttpServletRequest` object was last modified.

* Example for `doGet()`:-

```
protected void doGet( HttpServletRequest, HttpServletResponse )
{
    throw ServletException, IOException {
        String user = req.getParameter ( " user" );
        String pass = req.getParameter ( " Pass" );
        if ( "abc" . equals ( user )
            && "xyz" . equals ( Pass ) )
        {
            response ( resp, "login okay" ); }
        else
        {
            response ( resp, "Invalid Login" ); }
    private void response ( HttpServletRequest, String msg )
        throw Exception {
            PrintWriter out = resp. getWriter ();
            out.println ( "<html>" );
            out.println ( "<body>" );
            out.println ( "<t>" + msg + "</t>" );
            out.println ( "</body>" );
        }
    }
}
```

* Conclusion : I have implemented JSP login Page Successfully.