Assignment - 06

* <u>Aim</u> → Create JSP login page and validate it. Make use of servelets.

* <u>Theory</u> →

• <u>JSP</u>:
① Stands for Java Server Pages
② A server side technology
③ Used for creating web application
④ Used to Create dynamic web content, in this JSP tags are used to insert Java code into HTML pages.
⑤ JSP provides other functionality like accessing data from DB, transfer control, etc.

• <u>Advantages</u>:
① Extension to servelet → Provide all features of servelet by adding some new features like implicit object, custom codes, etc.

② Easy to maintain → Business and presentation logic are implemented separately

③ Less complexity

④ Less code than servelet

⑤ Exception handling

• <u>doGet ()</u>:
① Used for getting information from the server.
② Handles get requests
③ It is invoked by the web container.

Syntax → doGet (HttpServlet Request req, HttpServlet Response)
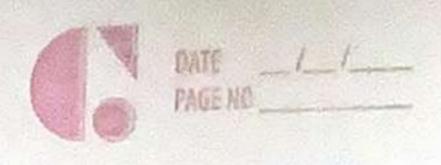
- do Post ():

① Called by server to allow a servelet to handle a post request.

② Generally we use this method for sending information to the server - like HTML form data.

- get Last Modified ():

① Returns long integer specifying the time, the Http Servlet Request was last modified.

- Example for do Get ():

```
protected void doGet (HttpServlet Request req,
    HttpServlet Response resp)
        throws Servlet Exception, IO Exception {
            string user = req. getParameter ("user");
            string pass = req. get Parameter ("Pass");
            if ("abc". equals (user) &
                "xyz". equals (Pass)
            {
                response (resp, "login okay");
            }
            else {
                response (resp, "Invalid login");
            }

    private void response (HttpServlet Response resp,
        string msg) throws IO Exception {
            Print Writer out = resp. get Writer ();
            out. println ("<html>");
            out. println ("<body>");
            out. println ("<t1>" + msg + "</t1>");
            out. println ("</body>");
        }
    }
```

* <u>Conclusion</u> → Thus in this assignment we learnt about JSP and implemented the assignment for my website.