Neeraj Appari S073

Aim: 1) Write a Java application to demonstrate servlet cookie class.

2) Write a html code to design a Login Page, and verify the login details using servlet code.

1)

/*

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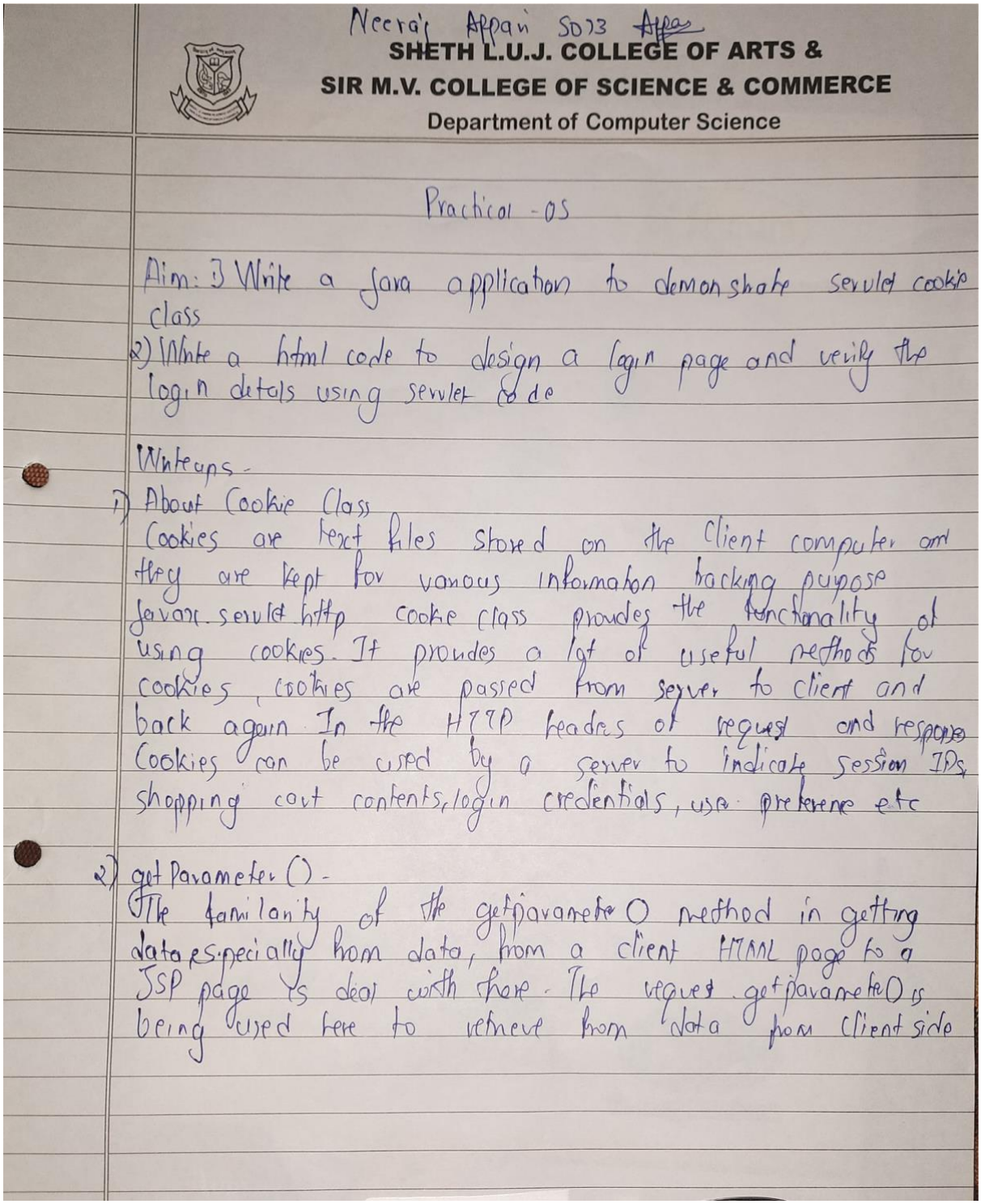


Neeraj Appan SD23 Appa

SHETH L.U.J. COLLEGE OF ARTS &
SIR M.V. COLLEGE OF SCIENCE & COMMERCE
Department of Computer Science

Practical - 05

Aim: 1) Write a Java application to demonstrate servlet cookie class
2) Write a html code to design a login page and verify the login details using servlet code

Writeups -

1) About Cookie Class
Cookies are text files stored on the client computer and they are kept for various information tracking purpose javax.servlet.http cookie class provides the functionality of using cookies. It provides a lot of useful methods for cookies, cookies are passed from server to client and back again In the HTTP headers of request and response Cookies can be used by a server to indicate session IDs, shopping cart contents, login credentials, user preference etc

2) getParameter() -
The familarity of the getParameter() method in getting data especially from data, from a client HTML page to a JSP page is deal with there. The request.getParameter() is being used here to retrieve from data from client side

```
 * and open the template in the editor.
 */

import java.io.*;
 import javax.servlet.*;
 import javax.servlet.http.*;
 public class CookiesDemo extends HttpServlet {
   public void doGet(HttpServletRequest
request,HttpServletResponse response)
    throws IOException, ServletException  {
   PrintWriter out = response.getWriter();
    Cookie[] cookies = request.getCookies();
boolean found = false;
     if(cookies != null)
   for(int i=0;i<cookies.length;i++)
       if(cookies[i].getName().equals("session_started")) {
       found = true;
         out.println("You started this session on : " );
          out.println("Yash Gupta S079 " );
        out.println(cookies[i].getValue());        }
```

```
    if(!found) {
        String dt = (new java.util.Date()).toString();
 response.addCookie(new Cookie("session_started",
dt));
        out.println("Welcome to out site...");
      }
  }
 }


   // <editor-fold defaultstate="collapsed"
desc="HttpServlet methods. Click on the + sign on the
left to edit the code.">
   /**
    * Handles the HTTP <code>GET</code> method.
    *
    * @param request servlet request
    * @param response servlet response
    * @throws ServletException if a servlet-specific
error occurs
    * @throws IOException if an I/O error occurs
    */
```

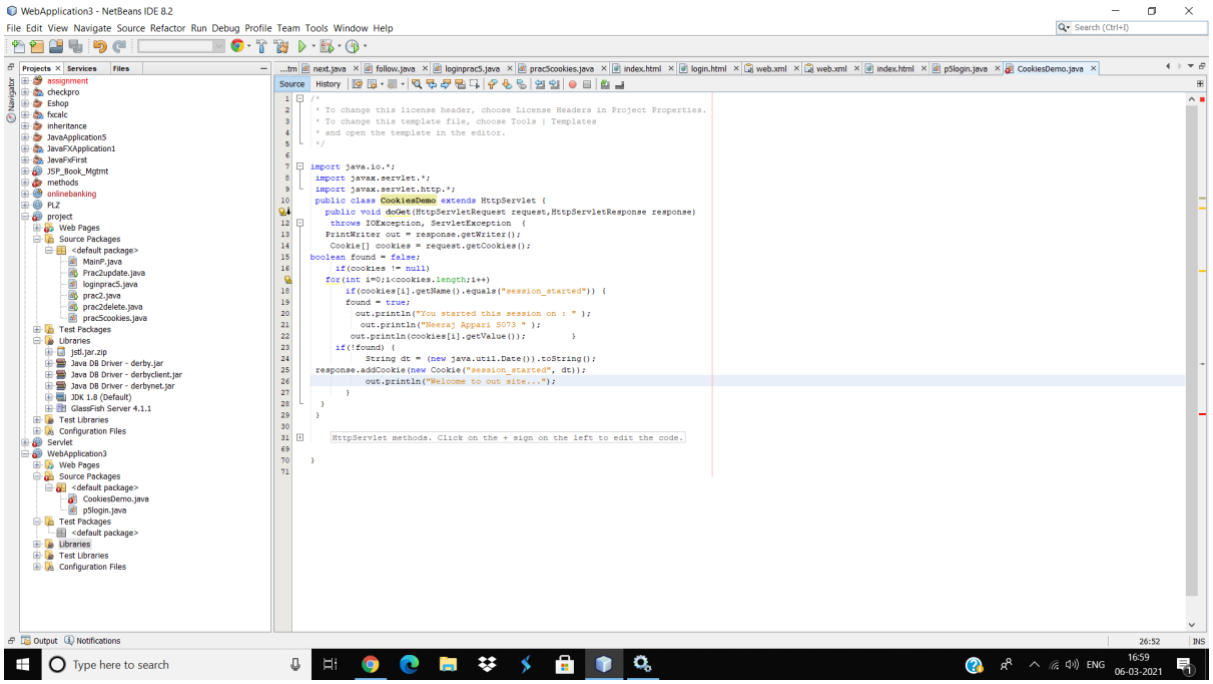
```
    @Override
    protected void doGet(HttpServletRequest request,
HttpServletResponse response)
            throws ServletException, IOException {
        processRequest(request, response);
    }

    /**
     * Handles the HTTP <code>POST</code> method.
     *
     * @param request servlet request
     * @param response servlet response
     * @throws ServletException if a servlet-specific
error occurs
     * @throws IOException if an I/O error occurs
     */
    @Override
    protected void doPost(HttpServletRequest request,
HttpServletResponse response)
            throws ServletException, IOException {
        processRequest(request, response);
```

```
    }

    /**
     * Returns a short description of the servlet.
     *
     * @return a String containing servlet description
     */
    @Override
    public String getServletInfo() {
        return "Short description";
    }// </editor-fold>

}
```


WebApplication3 - NetBeans IDE 8.2
File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help
Projects
Services
Files
assignment
checkpro
Eshop
fxcalc
inheritance
JavaApplication5
JavaFXApplication1
JavaFxFirst
JSP_Book_Mgtmt
methods
onlinebanking
PLZ
project
Web Pages
Source Packages
<default package>
MainP.java
Prac2update.java
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prac5cookies.java
Test Packages
Libraries
jstl.jar.zip
Java DB Driver - derby.jar
Java DB Driver - derbyclient.jar
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JDK 1.8 (Default)
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Test Libraries
Configuration Files
Servlet
WebApplication3
Web Pages
Source Packages
<default package>
CookiesDemo.java
p5login.java
Test Packages
<default package>
Libraries
Test Libraries
Configuration Files
next.java
follow.java
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Source
History
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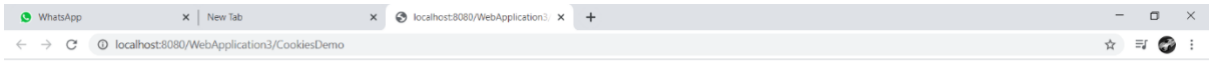
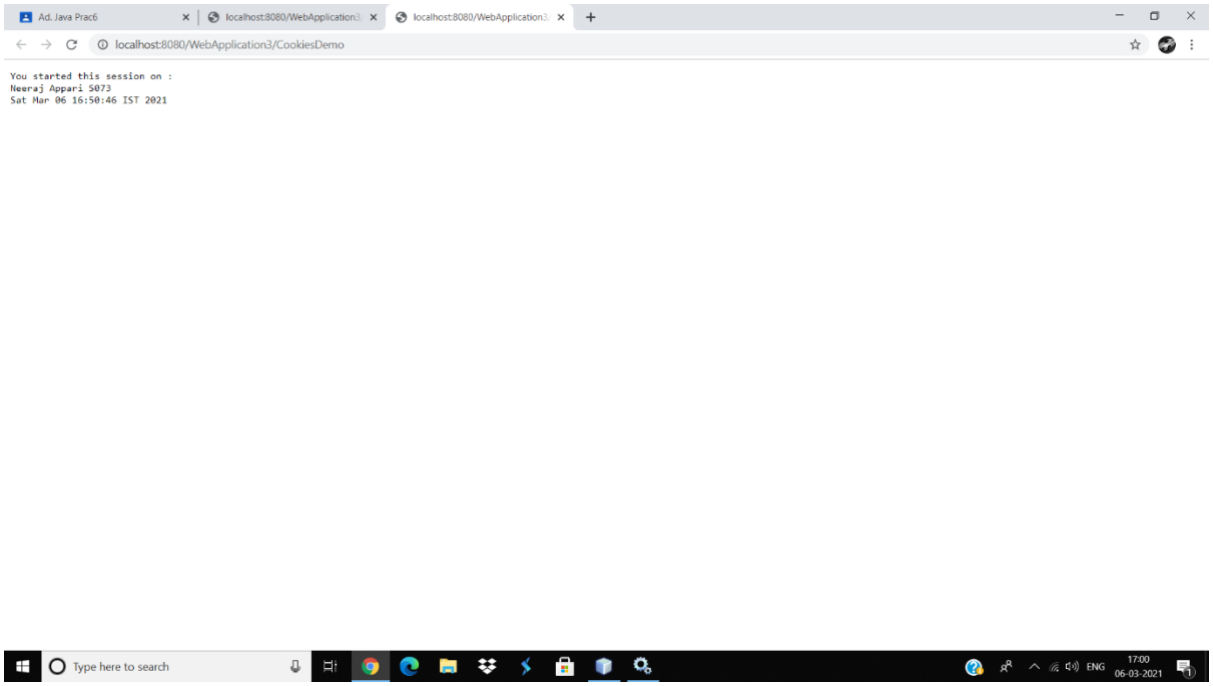
*/
import java.io.*;
import javax.servlet.*;
import javax.servlet.http.*;
public class CookiesDemo extends HttpServlet {
public void doGet(HttpServletRequest request,HttpServletResponse response)
throws IOException, ServletException {
PrintWriter out = response.getWriter();
Cookie[] cookies = request.getCookies();
boolean found = false;
if(cookies != null)
for(int i=0;i<cookies.length;i++)
if(cookies[i].getName().equals("session_started")) {
found = true;
out.println("You started this session on : ");
out.println("Neeraj Appari 5073 ");
out.println(cookies[i].getValue());
}
if(!found) {
String dt = (new java.util.Date()).toString();
response.addCookie(new Cookie("session_started", dt));
out.println("Welcome to out site...");
}
}
HttpServlet methods. Click on the + sign on the left to edit the code.
}
Output
Notifications
26:52
INS
Type here to search
ENG
16:59
06-03-2021


WhatsApp
New Tab
localhost:8080/WebApplication3
localhost:8080/WebApplication3/CookiesDemo
Welcome to out site...

Type here to search
ENG
13:36
07-03-2021



2)

Html

```
<html>
   <head>
      <title>TODO supply a title</title>
      <meta charset="UTF-8">
      <meta name="viewport" content="width=device-
width, initial-scale=1.0">
   </head>
   <body>
      <h1>Neeraj Appari S073</h1>
       <div>Login Page</div>
      <form action="p5login" method = "post">
```

```
        Enter UserName: <input type="text"
name="txtun" value="" /> </br>
        Enter Password: <input type="password"
name="txtpw" value="" /></br>
        <input type="submit" value="Submit" />
      </form>
   </body>
</html>
```

Java

```
/*
 * To change this license header, choose License
Headers in Project Properties.
 * To change this template file, choose Tools |
Templates
 * and open the template in the editor.
 */

import java.io.IOException;
import java.io.PrintWriter;
import javax.servlet.ServletException;
import javax.servlet.http.HttpServlet;
```

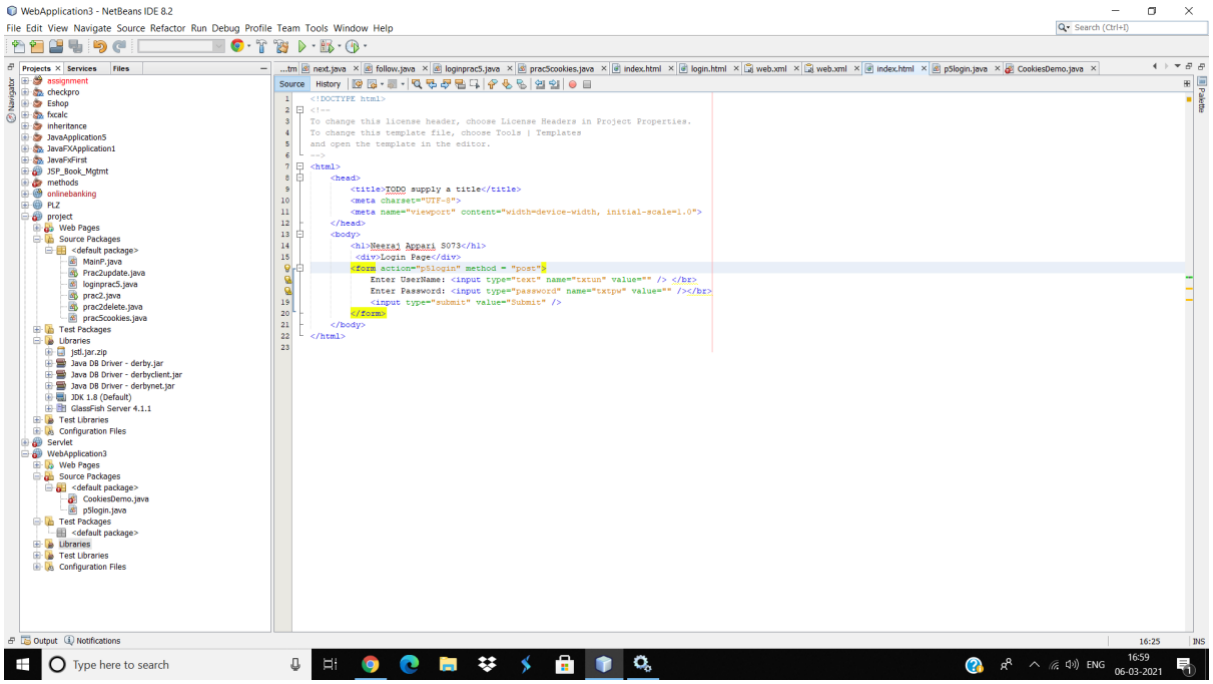
```
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;

/**
 *
 * @author LAXMINARAYANRO
 */
public class p5login extends HttpServlet {

    /**
     * Processes requests for both HTTP
<code>GET</code> and <code>POST</code>
     * methods.
     *
     * @param request servlet request
     * @param response servlet response
     * @throws ServletException if a servlet-specific
error occurs
     * @throws IOException if an I/O error occurs
     */
```

```
    protected void processRequest(HttpServletRequest
request, HttpServletResponse response)
            throws ServletException, IOException {
        response.setContentType("text/html;charset=UTF-
8");
        try (PrintWriter out = response.getWriter()) {
            String un, pw;
            un = request.getParameter("txtun");
            pw = request.getParameter("txtpw");


            if (un.equalsIgnoreCase("admin") &&
pw.equalsIgnoreCase("a123"))
            {
              //ServletContext servletContext =
getServletContext();
             // RequestDispatcher requestDispatcher =
servletContext.getRequestDispatcher("/next");
              //requestDispatcher.forward(request,
response);
                out.println("Welcome User");
            }
            else
```

```
        {
            out.println("Invalid login");
            out.println("<br><br><a href=
'index.html'>Login</a>");
        }
      }
   }

   // <editor-fold defaultstate="collapsed"
desc="HttpServlet methods. Click on the + sign on the
left to edit the code.">
   /**
    * Handles the HTTP <code>GET</code> method.
    *
    * @param request servlet request
    * @param response servlet response
    * @throws ServletException if a servlet-specific
error occurs
    * @throws IOException if an I/O error occurs
    */
   @Override
```

```
    protected void doGet(HttpServletRequest request,
HttpServletResponse response)
            throws ServletException, IOException {
        processRequest(request, response);
    }

    /**
     * Handles the HTTP <code>POST</code> method.
     *
     * @param request servlet request
     * @param response servlet response
     * @throws ServletException if a servlet-specific
error occurs
     * @throws IOException if an I/O error occurs
     */
    @Override
    protected void doPost(HttpServletRequest request,
HttpServletResponse response)
            throws ServletException, IOException {
        processRequest(request, response);
    }
```

```
    /**
     * Returns a short description of the servlet.
     *
     * @return a String containing servlet description
     */
    @Override
    public String getServletInfo() {
        return "Short description";
    }// </editor-fold>

}
```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History
<!DOCTYPE html>
<!--
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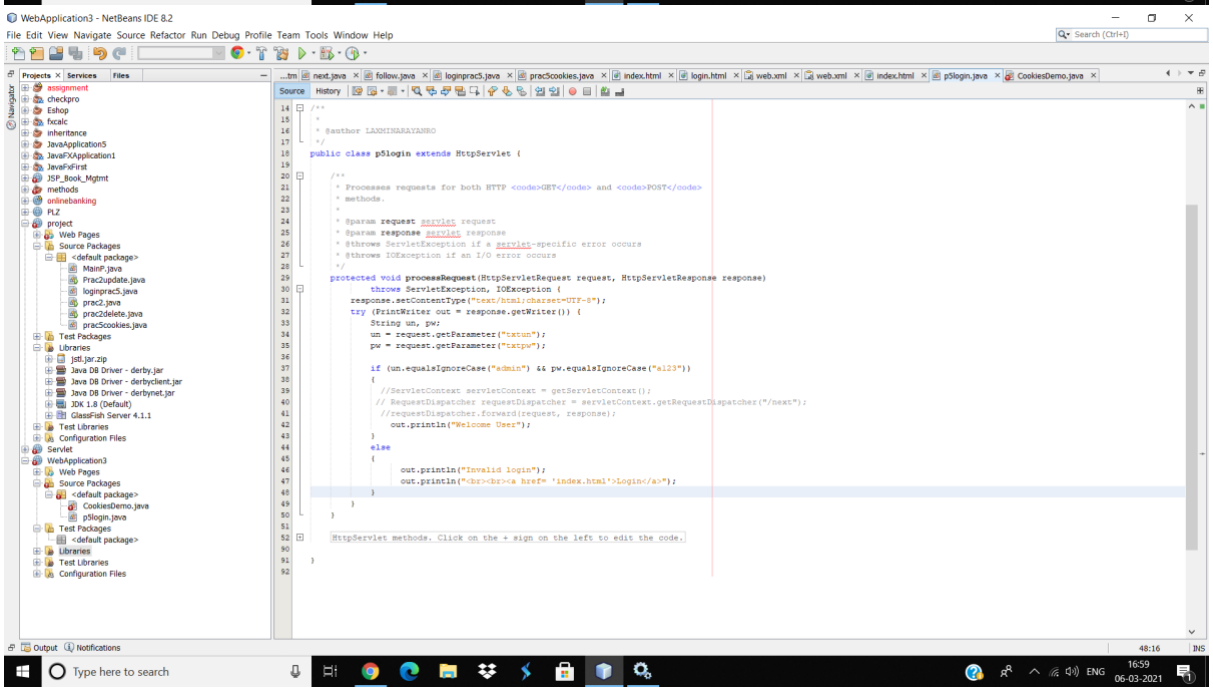
and open the template in the editor.
-->
<html>
<head>
<title>TODO supply a title</title>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
</head>
<body>
<h1>Neeraj Appari 8073</h1>
Login Page
<form action="p5login" method = "post">
Enter UserName: <input type="text" name="txtun" value="" /> </br>
Enter Password: <input type="password" name="txtpw" value="" /></br>
<input type="submit" value="Submit" />
</form>
</body>
</html>
Output
Notifications
16:25
INS
Type here to search
ENG
16:59
06-03-2021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* @author LAXMINARAYANRO
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* methods.
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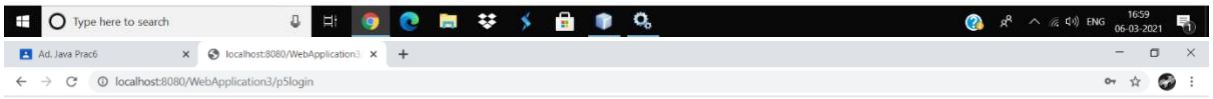
* @param request servlet request
* @param response servlet response
* @throws ServletException if a servlet-specific error occurs
* @throws IOException if an I/O error occurs
*/
protected void processRequest(HttpServletRequest request, HttpServletResponse response)
throws ServletException, IOException {
response.setContentType("text/html;charset=UTF-8");
try (PrintWriter out = response.getWriter()) {
String un, pw;
un = request.getParameter("txtun");
pw = request.getParameter("txtpw");
if (un.equalsIgnoreCase("admin") && pw.equalsIgnoreCase("a123"))
{
//ServletContext servletContext = getServletContext();
// RequestDispatcher requestDispatcher = servletContext.getRequestDispatcher("/next");
//requestDispatcher.forward(request, response);
out.println("Welcome User");
}
else
{
out.println("Invalid login");
out.println("

<a href= 'index.html'>Login</a>");
}
}
}
HttpServlet methods. Click on the + sign on the left to edit the code.
}
Output
Notifications
48:16
INS
Type here to search
ENG
16:59
06-03-2021

Neeraj Appari S073

Login Page
Enter UserName: admin
Enter Password: ••••
Submit



Welcome User