**Expt 10-A**

**Index.html**

<!DOCTYPE html>

<html>

<head>

<meta charset="ISO-8859-1">

<title>Servlet Login Example</title>

</head>

<body>

<h1>Welcome to Login App by Cookie</h1>

<a href="login.html">Login</a>|

<a href="LogoutServlet">Logout</a>|

<a href="ProfileServlet">Profile</a>

</body>

</html>

**Login.html**

<form action="LoginServlet" method="post">

Name:<input type="text" name="name"><br>

Password:<input type="password" name="password"><br>

<input type="submit" value="login">

</form>

link.html

<a href="login.html">Login</a> |

<a href="LogoutServlet">Logout</a> |

<a href="ProfileServlet">Profile</a>

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**LoginServlet**

import java.io.IOException;

import java.io.PrintWriter;

import jakarta.servlet.ServletException;

import jakarta.servlet.http.Cookie;

import jakarta.servlet.http.HttpServlet;

import jakarta.servlet.http.HttpServletRequest;

import jakarta.servlet.http.HttpServletResponse;

public class LoginServlet extends HttpServlet {

    protected void doPost(HttpServletRequest request, HttpServletResponse response)

                           throws ServletException, IOException {

        response.setContentType("text/html");

        PrintWriter out=response.getWriter();

        request.getRequestDispatcher("link.html").include(request, response);

        String name=request.getParameter("name");

        String password=request.getParameter("password");

        if(password.equals("admin123")){

            out.print("You are successfully logged in!");

            out.print("<br>Welcome, "+name);

            Cookie ck=new Cookie("name",name);

            response.addCookie(ck);

        }else{

            out.print("sorry, username or password error!");

            request.getRequestDispatcher("login.html").include(request, response);

        }

        out.close();

    }

}

**LogoutServlet**

import java.io.IOException;

import java.io.PrintWriter;

import jakarta.servlet.ServletException;

import jakarta.servlet.http.Cookie;

import jakarta.servlet.http.HttpServlet;

import jakarta.servlet.http.HttpServletRequest;

import jakarta.servlet.http.HttpServletResponse;

public class LogoutServlet extends HttpServlet {

    protected void doGet(HttpServletRequest request, HttpServletResponse response)

                        throws ServletException, IOException {

        response.setContentType("text/html");

        PrintWriter out=response.getWriter();

        request.getRequestDispatcher("link.html").include(request, response);

        Cookie ck=new Cookie("name","");

        ck.setMaxAge(0);

        response.addCookie(ck);

        out.print("you are successfully logged out!");

    }

}

**ProfileServlet**

import java.io.IOException;

import java.io.PrintWriter;

import jakarta.servlet.ServletException;

import jakarta.servlet.http.Cookie;

import jakarta.servlet.http.HttpServlet;

import jakarta.servlet.http.HttpServletRequest;

import jakarta.servlet.http.HttpServletResponse;

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 \* @author admin

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public class ProfileServlet extends HttpServlet {

    protected void doGet(HttpServletRequest request, HttpServletResponse response)

                          throws ServletException, IOException {

        response.setContentType("text/html");

        PrintWriter out=response.getWriter();

        request.getRequestDispatcher("link.html").include(request, response);

        Cookie ck[]=request.getCookies();

        if(ck!=null){

         String name=ck[0].getValue();

        if(!name.equals("")||name!=null){

            out.print("<b>Welcome to Profile</b>");

            out.print("<br>Welcome, "+name);

        }

        }else{

            out.print("Please login first");

            request.getRequestDispatcher("login.html").include(request, response);

        }

        out.close();

    }

}