**10-C**

**Index.html**

<!DOCTYPE html>

<html>

<head>

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

<title>Servlet Login Example</title>

</head>

<body>

<h1>Login App using HttpSession</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.HttpServlet;

import jakarta.servlet.http.HttpServletRequest;

import jakarta.servlet.http.HttpServletResponse;

import jakarta.servlet.http.HttpSession;

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("Welcome, "+name);

        HttpSession session=request.getSession();

        session.setAttribute("name",name);

        }

        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.HttpServlet;

import jakarta.servlet.http.HttpServletRequest;

import jakarta.servlet.http.HttpServletResponse;

import jakarta.servlet.http.HttpSession;

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);

            HttpSession session=request.getSession();

            session.invalidate();

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

            out.close();

    }

}

**ProfileServlet**

import java.io.IOException;

import java.io.PrintWriter;

import jakarta.servlet.ServletException;

import jakarta.servlet.http.HttpServlet;

import jakarta.servlet.http.HttpServletRequest;

import jakarta.servlet.http.HttpServletResponse;

import jakarta.servlet.http.HttpSession;

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);

        HttpSession session=request.getSession(false);

        if(session!=null){

        String name=(String)session.getAttribute("name");

        out.print("Hello, "+name+" Welcome to Profile");

        }

        else{

            out.print("Please login first");

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

        }

        out.close();

    }

}