

Java Practical No. 2

A)

index.html

```
<html><body>
    <form action="LoginServlet" method="post">
        Enter Username : <input type="text" name="t1"><br>
        Enter Password : <input type="password" name="t2">
    <br>
        <input type="reset">
        <input type="submit" value=" Login " >
    </form>
</body></html>
```

LoginServlet.java

```
package main;

import java.io.*;
import javax.servlet.*;
import javax.servlet.annotation.*;
import javax.servlet.http.*;

@WebServlet(name = "LoginServlet", urlPatterns =
{"/LoginServlet"})
public class LoginServlet extends HttpServlet {
    @Override
    protected void doPost(HttpServletRequest request,
        HttpServletResponse response)
        throws ServletException, IOException {
        response.setContentType("text/html");
        PrintWriter out = response.getWriter();
        String uname = request.getParameter("t1");
        String upass = request.getParameter("t2");
        if(uname.equals("admin") &&
        upass.equals("password")) {
            RequestDispatcher rd =
            request.getRequestDispatcher("/WelcomeServlet");
            rd.forward(request, response);
        } else {
            out.println("<h1> Login Fail !!! </h1>");
        }
    }
}
```

```

        RequestDispatcher rd =
request.getRequestDispatcher("/index.html");
        rd.include(request, response);
    }
}

```

WelcomeServlet.java

```

package main;

import java.io.*;
import javax.servlet.*;
import javax.servlet.annotation.*;
import javax.servlet.http.*;

@WebServlet(name = "WelcomeServlet", urlPatterns =
{"/WelcomeServlet"})
public class WelcomeServlet extends HttpServlet {
    @Override
    protected void doPost(HttpServletRequest request,
HttpServletResponse response)
        throws ServletException, IOException {
        response.setContentType("text/html");
        PrintWriter out = response.getWriter();

        out.println("<h1>Welcome " +
request.getParameter("t1") + "!!</h1>");
    }
}

```

B)

CookieServlet.java

```

package main;

import java.io.*;
import javax.servlet.*;
import javax.servlet.annotation.*;
import javax.servlet.http.*;

@WebServlet(name = "CookieServlet", urlPatterns =
{"/CookieServlet"})
public class CookieServlet extends HttpServlet {
    private int i = 1;
    @Override
    protected void doGet(HttpServletRequest request,

```

```

HttpServletResponse response)
        throws ServletException, IOException {
    response.setContentType("text/html");
    PrintWriter out = response.getWriter();
    String k = String.valueOf(i);
    Cookie c = new Cookie("Visit", k);
    response.addCookie(c);
    int j = Integer.parseInt((c.getValue()));
    if(j == 1){
        out.println("<h1>This is first time you
visited</h1>");
    } else {
        out.println("<h1>You have visited " + i + "
Times.</h1>");
    }
    i++;
}
}

```

C)

index.html

```

<html><body>
    <form action="SessionServlet" method="post">
        Enter Username : <input type="text" name="t1"><br>
        Enter Password : <input type="password" name="t2">
    <br>
        <input type="reset">
        <input type="submit" value=" Login " >
    </form>
</body></html>

```

SessionServlet.java

```

package main;

import java.io.*;
import javax.servlet.*;
import javax.servlet.annotation.*;
import javax.servlet.http.*;

@WebServlet(name = "SessionServlet", urlPatterns =
{"/SessionServlet"})
public class SessionServlet extends HttpServlet {
    private int counter;
    @Override
    protected void doPost(HttpServletRequest request,

```

```

HttpServletResponse response)
    throws ServletException, IOException {
    response.setContentType("text/html");
    PrintWriter out = response.getWriter();
    String uname = request.getParameter("t1");
    String upass = request.getParameter("t2");
    HttpSession session = request.getSession(true);
    if(uname.equals("admin") &&
upass.equals("password")){
        out.println("<h2>Welcome " + uname + "</h2>");
        counter++;
        if (session.isNew() && counter == 1){
            session.setAttribute("user", uname);
            out.println("You have visited this page
first time");
        } else {
            out.println("You have visited this page " +
counter + " times");
        }
        out.println("<br><a href='LogoutServlet'> Logout
</a>");
    } else {
        out.println("<h2>Your credential are
invalid</h2>");
    }
}
}

```

LogoutServlet.java

```

package main;

import java.io.*;
import javax.servlet.*;
import javax.servlet.annotation.*;
import javax.servlet.http.*;

@WebServlet(name = "LogoutServlet", urlPatterns =
{"/LogoutServlet"})
public class LogoutServlet extends HttpServlet {
    @Override
    protected void doGet(HttpServletRequest request,
HttpServletResponse response)
        throws ServletException, IOException {
        response.setContentType("text/html");
        PrintWriter out = response.getWriter();
        HttpSession session = request.getSession(false);
        session.invalidate();
        out.println("<h2>You have successfully

```

```
logout</h2>");  
    }  
}
```