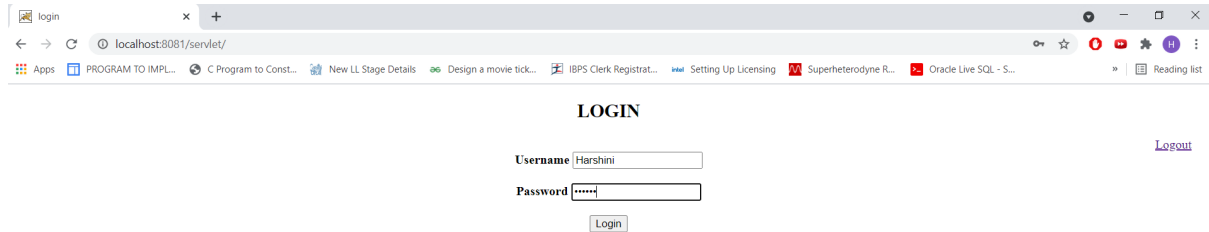# Exercise – 7
Profile Servlet using Session and MySQL

<div align="right">**Harshini S-185001058**</div>

Output And Code:

localhost:8081/servlet/ProfileSer... ✕ +

← → C ⓘ localhost:8081/servlet/ProfileServlet ☆

⦙⦙⦙ Apps ▦ PROGRAM TO IMPL... ⊕ C Program to Const... New LL Stage Details Design a movie tick... IBPS Clerk Registrat... Setting Up Licensing Superheterodyne R... Oracle Live SQL - S... » ▤ Rea

Welcome Harshini to the Profile Page!

Name	Password	Gender	DOB	Phone.No	Address
Harshini	123456	F	11/05/2001	9988776655	Velachery,Chennai

Login Page

---

login ✕ +

← → C ⓘ localhost:8081/servlet/index.html ☆

⦙⦙⦙ Apps ▦ PROGRAM TO IMPL... ⊕ C Program to Const... New LL Stage Details Design a movie tick... IBPS Clerk Registrat... Setting Up Licensing Superheterodyne R... Oracle Live SQL - S... » ▤ Reading list
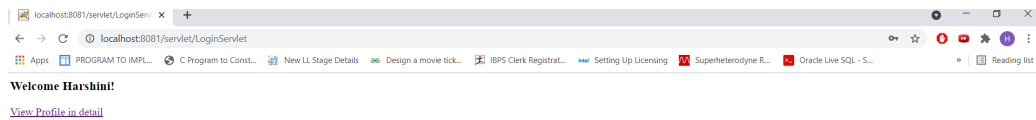
LOGIN

Logout

Username [   ]

Password [   ]

Login

---

localhost:8081/servlet/LogoutSer... ✕ +

← → C ⓘ localhost:8081/servlet/LogoutServlet ☆

⦙⦙⦙ Apps ▦ PROGRAM TO IMPL... ⊕ C Program to Const... New LL Stage Details Design a movie tick... IBPS Clerk Registrat... Setting Up Licensing Superheterodyne R... Oracle Live SQL - S... »

You are successfully logged out!

Code:

web.xml

```xml
<web-app>
    <servlet>
        <servlet-name>login</servlet-name>
        <servlet-class>LoginServlet</servlet-class>
    </servlet>
    <servlet-mapping>
        <servlet-name>login</servlet-name>
        <url-pattern>/LoginServlet</url-pattern>
    </servlet-mapping>

    <servlet>
        <servlet-name>profile</servlet-name>
        <servlet-class>ProfileServlet</servlet-class>
    </servlet>
    <servlet-mapping>
        <servlet-name>profile</servlet-name>
        <url-pattern>/ProfileServlet</url-pattern>
    </servlet-mapping>

    <servlet>
        <servlet-name>logout</servlet-name>
        <servlet-class>LogoutServlet</servlet-class>
    </servlet>
    <servlet-mapping>
        <servlet-name>logout</servlet-name>
        <url-pattern>/LogoutServlet</url-pattern>
    </servlet-mapping>


</web-app>
```

index.html

```html
<!DOCTYPE html>
<html>
<head>
<title>login</title>
</head>
<body>
<span style="text-align:center; display:block;"><h2>LOGIN</h2></span>
<form align="center" name="myForm"  action="LoginServlet" method="post">
```

```html
<span style="text-align:right; display:block; padding-right:20px;"><a
href='LogoutServlet'>Logout</a></span>
<label for="uname"><b>Username</b></label>
<input type="text" name="uname" ><br><br>
<label for="psw"><b>Password</b></label>
<input type="password" name="psw" ><br><br>

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



</form>

</body>
</html>
```

LoginServlet.java

```java
import java.io.*;
import jakarta.servlet.*;
import jakarta.servlet.http.*;
import java.sql.*;
import java.util.*;
public class LoginServlet extends HttpServlet
{
        public void doPost(HttpServletRequest req,HttpServletResponse res)throws
IOException,ServletException
        {
                res.setContentType("text/html");
                PrintWriter out=res.getWriter();
                String n=req.getParameter("uname");
                String p=req.getParameter("psw");
                Connection conn=null;
                try{
                        String url="jdbc:mysql://localhost:3306/sample";
                        String user="root";
                        String password="Life.123#";
                        Class.forName("com.mysql.cj.jdbc.Driver");
                        conn=DriverManager.getConnection(url,user,password);
                        String msg="select * from admindb where name='"+n+"' and
pw='"+p+"'";
                PreparedStatement st=conn.prepareStatement(msg);
                        ResultSet ress = st.executeQuery();
                if(ress.next())
                        {
```

```java
                        HttpSession session=req.getSession();
                        session.setAttribute("name",n);
                        out.print("<h3>Welcome "+n+"!</h3>");
                        out.print("<a href='ProfileServlet'>View Profile in
detail</a>");
                }
                else
                {
                        out.print("invalid credentials");
                        req.getRequestDispatcher("login.html");
                }
                out.close();
                ress.close();
                st.close();

        }
        catch(SQLException se)
        {
                se.printStackTrace();
        }
        catch(Exception e)
        {
                e.printStackTrace();
        }
        finally{
                try{
                        if(conn!=null)
                        {
                                conn.close();
                                out.close();
                        }
                }}
                catch(SQLException se)
                {
                        se.printStackTrace();
                }
        }


    }
}
```

ProfileServlet.java

```java
import java.io.*;
```

```java
import jakarta.servlet.*;
import jakarta.servlet.http.*;
import java.sql.*;
import java.util.*;
public class ProfileServlet extends HttpServlet
{
        public void doGet(HttpServletRequest req,HttpServletResponse res)throws
IOException,ServletException
        {
                res.setContentType("text/html");
                PrintWriter out=res.getWriter();
                String n=req.getParameter("uname");
                String p=req.getParameter("psw");
                Connection conn=null;
                try{
                        String url="jdbc:mysql://localhost:3306/sample";
                        String user="root";
                        String password="Life.123#";
                        Class.forName("com.mysql.cj.jdbc.Driver");
                        conn=DriverManager.getConnection(url,user,password);
                        HttpSession session=req.getSession(false);
                        if(session!=null){
                                String name=(String)session.getAttribute("name");
                                out.print("<h3>Welcome "+name+" to the Profile
Page!</h3><br>");

                                String msg="select * from admindb where name=?";
                                PreparedStatement ss=conn.prepareStatement(msg);
                                ss.setString(1,name);
                                ResultSet ress=ss.executeQuery();
                                out.println("<html><body>");
                                out.println("<table border=1>");

out.println("<tr><th>Name</th><th>Password</th><th>Gender</th><th>DOB</th><t
h>Phone.No</th><th>Address</th><tr>");
                                String s1,s2,s3,s4,s5,s6;
                                if(ress.next())
                                {
                                        s1=ress.getString(1);
                                        s2=ress.getString(2);
                                        s3=ress.getString(3);
                                        s4=ress.getString(4);
                                        s5=ress.getString(5);
                                        s6=ress.getString(6);
```

```java
                                        out.print("<tr><td>" + s1 + "</td><td>" + s2 +
"</td><td>" + s3 + "</td><td>" + s4 + "</td><td>" + s5 + "</td><td>" + s6 +
"</td></tr>");
                                }
                                out.println("</table><br>");
                                out.print("<a href=\"index.html\">Login Page</a>");
                                out.println("</body></html>");
                                ress.close();
                                ss.close();
                                out.close();

                                }



                }
                catch(SQLException se)
                {
                        se.printStackTrace();
                }
                catch(Exception e)
                {
                        e.printStackTrace();
                }
                finally{
                        try{
                                if(conn!=null)
                                {
                                        conn.close();
                                }
                        }}
                        catch(SQLException se)
                        {
                                se.printStackTrace();
                        }
                }


        }
}
```

LogoutServlet.java
```java
import java.io.*;
import jakarta.servlet.*;
```

```java
import jakarta.servlet.http.*;
import java.sql.*;
import java.util.*;
public class LogoutServlet extends HttpServlet
{
        public void doGet(HttpServletRequest req,HttpServletResponse res)throws
IOException,ServletException
        {
                res.setContentType("text/html");
                PrintWriter out=res.getWriter();
                String n=req.getParameter("uname");
                String p=req.getParameter("psw");
                Connection conn=null;
                try{
                        String url="jdbc:mysql://localhost:3306/sample";
                        String user="root";
                        String password="Life.123#";
                        Class.forName("com.mysql.cj.jdbc.Driver");
                        conn=DriverManager.getConnection(url,user,password);
                        HttpSession session=req.getSession();
                        session.invalidate();
            out.print("<h3>You are successfully logged out!</h3>");
                        }
                catch(SQLException se)
                {
                        se.printStackTrace();
                }
                catch(Exception e)
                {
                        e.printStackTrace();
                }
                finally{
                        try{
                                if(conn!=null)
                                {
                                        conn.close();
                                }}
                        catch(SQLException se)
                        {
                                se.printStackTrace();
                        }
                }

                }        }
```