Ex.No. : 07	**ACCESSING STUDENT MARKLIST DATABASE**
Date : 18-04-24	**USING SERVLET**

AIM :

To Implement Concept of Accessing Student Marklist Database using Servlet.

PROGRAM :

HTML CODE :

```html
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
    <style>
      *{
        padding: 0px;
        margin: 0px;
      }
      .header{
        border-top: 6px solid rgb(20, 21, 21);
        border-bottom: 4px solid rgb(10, 214, 241);
        font-family: "Gill sans",sans-serif;
        font-size: 25px;
      }
      #logo,img{
        margin-left: 100px;
      }
      #head,h2{
        margin-top: -6%;
      }
      .fmbody{
        margin-top: 1%;
        width: 30%;
```

```css
        height: 250px;

        background-color: rgb(12, 163, 171);

        box-shadow: 10px 10px 15px 0px rgba(0, 0, 0, 0.5);

    }

    .fmbody {

        display: flex;

        flex-direction: column;

        align-items: center;

    }


    .input-container {

        display: flex;

        gap: 20px;

    }

    label{

        font-size: 25px;

        padding-top: 10px;

        color: white;

    }

    input

    {

        background-color: rgb(221, 237, 237);

        height: 50px;

    }

    input:hover{

        border-radius: 8px;

    }

    input:active{

        color: rgb(236, 239, 244);

        background-color: rgb(6, 212, 20);

    }

    #sub{

        width: 20%;

    }
```

```html
        </style>
    </head>
    <body>
        <form action="exp5" method="post">
            <div class="header">
                <img src="annalogo.png" alt="" width="6%" height="10%" id="logo">
                <center><p id="head"><b>Anna University, Chennai</b><br>Office of the
Controller of Examinations<br>Pre-Examination Monitoring Systems</p></center>
            </div>
            <center>
                <div class="fmbody">
                    <h1>STUDENT LOGIN</h1><br>
                    <label for="">Register Number</label>
                    <input type="text" name="rollno"><br>
                    <label for="">Date-of-Birth</label>
                    <input type="date" name="dob"><br>
                    <input type="submit" value="Login" id="sub">
                </div>
            </center>
        </form>
    </body>
</html>
```

JAVA CODE :

```java
import jakarta.servlet.ServletException;
import jakarta.servlet.http.HttpServlet;
import jakarta.servlet.http.HttpServletRequest;
import jakarta.servlet.http.HttpServletResponse;
import java.io.IOException;
import java.io.PrintWriter;
import java.sql.*;
public class exp5 extends HttpServlet {
    public void doPost(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
        response.setContentType("text/html");
```

```java
        PrintWriter out = response.getWriter();
        String rollno = request.getParameter("rollno");
        try {
            Class.forName("com.mysql.cj.jdbc.Driver");
            Connection conn =
DriverManager.getConnection("jdbc:mysql://localhost/mysql1", "root", "");
            PreparedStatement stmt = conn.prepareStatement("SELECT * FROM
studentdetails WHERE REGISTER_NUMBER=?");
            stmt.setString(1, rollno);
            ResultSet rs = stmt.executeQuery();
            if (rs.next()) {
                out.println("<style>");
                out.println("table { font-size: 30px; border-collapse: collapse; background-
color: rgb(119, 201, 189); box-shadow: 10px 10px 15px 0px rgba(0, 0, 0, 0.5); }");
                out.println("th { background-color: rgb(9, 86, 59); color: white; }");
                out.println("body { background-color: rgb(181, 229, 248); }");
                out.println("#false { font-size:60px; }");
                out.println("</style>");

                out.println("<center>");
                out.println("<table border=\"1\" width=\"1000px\">");
                out.println("<tr><td colspan=\"5\">REGISTER NUMBER: " +
rs.getString("REGISTER_NUMBER") + "<br>Name: " + rs.getString("Name") +
"<br>BRANCH: B.E COMPUTER SCIENCE AND ENGINEERING</td></tr>");
                out.println("<tr><th>Semester</th><th>Subject
Code</th><th>Subject</th><th>Grade</th><th>Result</th></tr>");
                String semester = rs.getString("SEMESTER");
                out.println("<tr><td>" + semester + "</td><td>CCS375</td><td>WEB
TECHNOLOGIES</td><td>" + rs.getString("CCS375_WEB_TECHNOLOGIES") +
"</td><td>" + rs.getString("RESULT") + "</td></tr>");
                out.println("<tr><td>" + semester +
"</td><td>CCS358</td><td>PPL</td><td>" + rs.getString("CCS358_PPL") +
"</td><td>" + rs.getString("RESULT") + "</td></tr>");
```

```
            out.println("<tr><td>" + semester +
"</td><td>CS3691</td><td>ESIOT</td><td>" + rs.getString("CS3691_ESIOT") +
"</td><td>" + rs.getString("RESULT") + "</td></tr>");
            out.println("<tr><td>" + semester +
"</td><td>CCS341</td><td>DW</td><td>" + rs.getString("CCS341_DW") +
"</td><td>" + rs.getString("RESULT") + "</td></tr>");
            out.println("<tr><td>" + semester +
"</td><td>CCS364</td><td>SC</td><td>" + rs.getString("CCS364_SC") + "</td><td>"
+ rs.getString("RESULT") + "</td></tr>");
            out.println("<tr><td>" + semester +
"</td><td>CCS356</td><td>OOSE</td><td>" + rs.getString("CCS356_OOSE") +
"</td><td>" + rs.getString("RESULT") + "</td></tr>");
            out.println("</table>");
            out.println("</center>");
        } else {
            out.println("<center>");
            out.println("<marquee id=\"false\" scrollamount=\"20\" style=\"font-
size:40px\">NO RECORDS FOUND FOR REGISTER NUMBER " + rollno +
"</marquee>");
            out.println("</center>");
        }
    } catch (SQLException | ClassNotFoundException e) {
    } }}
```

WEB.XML CODE:
```
<web-app>
      <servlet>
            <servlet-name>exp5</servlet-name>
            <servlet-class> exp5</servlet-class>
      </servlet>
      <servlet-mapping>
            <servlet-name> exp5</servlet-name>
            <url-pattern>/ exp5 </url-pattern>
      </servlet-mapping>
</web-app>
```
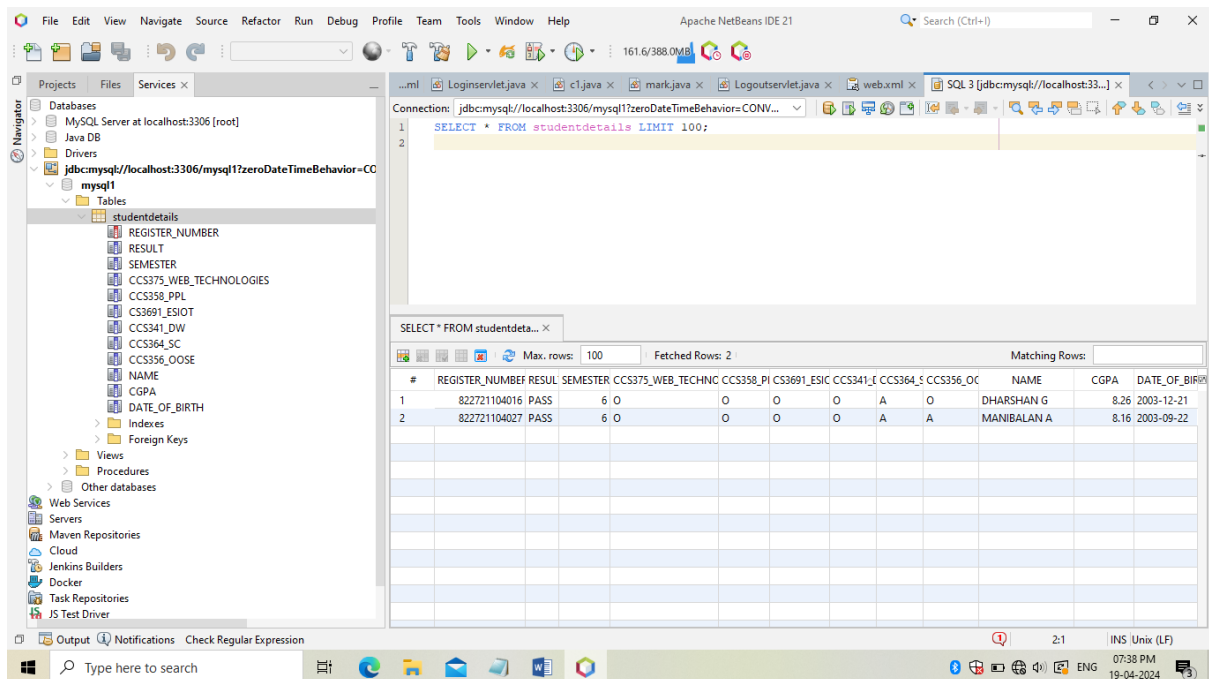
OUTPUT :

Anna University, Chennai
Office of the Controller of Examinations
Pre-Examination Monitoring Systems

STUDENT LOGIN

Register Number
822721104027

Date-of-Birth
22-09-2003

Login

INSERTED DATA IN DATABASE :

SERVER RESPONSE :

REGISTER NUMBER: 822721104027
Name: MANIBALAN A
BRANCH: B.E COMPUTER SCIENCE AND ENGINEERING

Semester	Subject Code	Subject	Grade	Result
6	CCS375	WEB TECHNOLOGIES	O	PASS
6	CCS358	PPL	O	PASS
6	CS3691	ESIOT	O	PASS
6	CCS341	DW	O	PASS
6	CCS364	SC	A	PASS
6	CCS356	OOSE	A	PASS

RESULT :

Thus, the Implementation of Concept of Accessing Student Marklist Database using Servlet is Executed and Verified Successfully.