 Marwadi University Marwadi Chandarana Group	NAAC A+	Marwadi University Faculty of Technology Department of Information and Communication Technology	
Subject: Advanced Java (01CT1623)		Aim: Search userDOB by passing arguments as date to servlet by submit the search.html page at SearchResult.java servlet that returns the rows of result back to clientResult page. (Servlet).	
Experiment No:- 03	Date:-	Enrollment No:- 92200133030	

Objective:- Search userDOB by passing arguments as date to servlet by submit the search.html page at SearchResult.java servlet that returns the rows of result back to clientResult page. (Servlet).

Code :-

```
package com.aryanlanghanoja.authentication;

import org.jetbrains.annotations.NotNull;

import java.io.IOException;
import java.io.PrintWriter;
import java.sql.*;
import java.text.ParseException;
import java.text.SimpleDateFormat;
import javax.servlet.RequestDispatcher;
import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;

class MyConnection {

    public static MyConnection connectionobj;
    Connection connection;


    MyConnection() {

    }

    public static MyConnection getInstante() {
        if(connectionobj == null) {
            connectionobj = new MyConnection();
        }

        return connectionobj;
    }

    public void createConnection() {
        try {
            Class.forName("com.mysql.jdbc.Driver");
            connection = DriverManager.getConnection("jdbc:mysql://localhost:3306/ajt_practicle" ,
"root" , "");
        } catch (ClassNotFoundException | SQLException e) {
            e.printStackTrace();
        }
    }
}
```

 Marwadi University Marwadi Chandarana Group	NAAC A+	Marwadi University Faculty of Technology Department of Information and Communication Technology	
Subject: Advanced Java (01CT1623)		Aim: Search userDOB by passing arguments as date to servlet by submit the search.html page at SearchResult.java servlet that returns the rows of result back to clientResult page. (Servlet).	
Experiment No:- 03	Date:-	Enrollment No:- 92200133030	

```

public String Validate_User (String DOB , @NotNull HttpServletRequest req, HttpServletResponse
resp) throws ServletException, IOException {
    createConnection();
    String result = "No User Found" ;
    try {
        SimpleDateFormat dateFormat = new SimpleDateFormat("yyyy-MM-dd");
        java.util.Date utilDate = dateFormat.parse(DOB); // Parse as java.util.Date
        java.sql.Date sqlDate = new java.sql.Date(utilDate.getTime());
        Statement statement = connection.createStatement();
        ResultSet resultSet = statement.executeQuery("SELECT * FROM User_Authentication WHERE DOB
= '" + sqlDate + "'");

        if (resultSet.next()) {

            if(result.equals("No User Found")) {
                result = "First Name :- " + resultSet.getString("First_Name") + "\nSurname :- " +
resultSet.getString("Surname") + "\nUser Name :- " + resultSet.getString("User_Name") + "\n";
            }

            else {
                result += "First Name :- " + resultSet.getString("First_Name") + "\nSurname :- " +
resultSet.getString("Surname") + "\nUser Name :- " + resultSet.getString("User_Name") + "\n";
            }

        }

        statement.close();
        connection.close();

    } catch (SQLException | ParseException e) {
        throw new RuntimeException(e);
    }

    return result;
}
}

```


```

@WebServlet(urlPatterns = "/Validate_DOB")
public class DOBAuthentication extends HttpServlet {
    MyConnection connectionobj = new MyConnection();

    @Override
    protected void doGet(@NotNull HttpServletRequest req, HttpServletResponse resp) throws
ServletException, IOException {
        processRequest(req, resp);
    }

    @Override
    protected void doPost(@NotNull HttpServletRequest req, HttpServletResponse resp) throws
ServletException, IOException {

```

 Marwadi University Marwadi Chandarana Group	NAAC A+	Marwadi University Faculty of Technology Department of Information and Communication Technology	
Subject: Advanced Java (01CT1623)		Aim: Search userDOB by passing arguments as date to servlet by submit the search.html page at SearchResult.java servlet that returns the rows of result back to clientResult page. (Servlet).	
Experiment No:- 03	Date:-	Enrollment No:- 92200133030	

```

        processRequest(req, resp);
    }



    private void processRequest(HttpServletRequest req, HttpServletResponse resp) throws
ServletException, IOException {
        String dobString = req.getParameter("dob");
        String result = connectionobj.Validate_User(dobString, req, resp);

        resp.setContentType("text/html");
        PrintWriter out = resp.getWriter();

        out.println("<!DOCTYPE html>");
        out.println("<html lang='en'>");
        out.println("<head>");
        out.println("<meta charset='UTF-8'>");
        out.println("<meta name='viewport' content='width=device-width, initial-scale=1.0'>");
        out.println("<title>DOB Validator</title>");
        out.println("<style>");
        out.println("body { font-family: Arial, sans-serif; background: linear-gradient(135deg,");
        out.println("#667eea, #764ba2); height: 100vh; display: flex; justify-content: center; align-items: center; margin:");
        out.println("0; }");
        out.println(".container { background: white; padding: 30px; border-radius: 12px; box-shadow: 0");
        out.println("4px 15px rgba(0, 0, 0, 0.2); text-align: center; width: 350px; }");
        out.println("h2 { color: #333; margin-bottom: 20px; }");
        out.println("input { padding: 12px; margin: 15px 0; border: 1px solid #ccc; border-radius:");
        out.println("6px; width: calc(100% - 24px); font-size: 16px; outline: none; transition: border 0.3s; }");
        out.println("input:focus { border-color: #667eea; }");
        out.println("button { padding: 12px; border: none; background: #667eea; color: white; border-");
        out.println("radius: 6px; cursor: pointer; width: 100%; font-size: 16px; transition: background 0.3s, transform");
        out.println("0.2s; }");
        out.println("button:hover { background: #5567c3; transform: scale(1.05); }");
        out.println(".result { margin-top: 20px; padding: 10px; background: #f9f9f9; border-radius:");
        out.println("6px; font-size: 16px; }");
        out.println("</style>");
        out.println("</head>");
        out.println("<body>");
        out.println("<div class='container'>");
        out.println("<h1>Client Result</h1>");
        out.println("<h2>Enter Your Date of Birth</h2>");
        out.println("<form action='Validate_DOB' method='post'>");
        out.println("<input type='date' name='dob' required>");
        out.println("<button type='submit' name='Validate'>Submit</button>");
        out.println("</form>");

        // **Result displayed here below the form**
        out.println("<div class='result'>");
        if (result.equals("No User Found")) {
            out.println("<p style='color: red; font-weight: bold;'>User Not Found</p>");
        } else {
            out.println("<pre style='text-align:left;'>" + result + "</pre>");
        }
    }

```

 Marwadi University Marwadi Chandarana Group		Marwadi University Faculty of Technology Department of Information and Communication Technology
Subject: Advanced Java (01CT1623)	Aim: Search userDOB by passing arguments as date to servlet by submit the search.html page at SearchResult.java servlet that returns the rows of result back to clientResult page. (Servlet).	
Experiment No:- 03	Date:-	Enrollment No:- 92200133030

```

    }
    out.println("</div>");

    out.println("</div>");
    out.println("</body>");
    out.println("</html>");
  }
}



```

DOB.html

```

<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>DOB Validator</title>
  <style>
    body {
      font-family: Arial, sans-serif;
      background: linear-gradient(135deg, #667eea, #764ba2);
      height: 100vh;
      display: flex;
      justify-content: center;
      align-items: center;
      margin: 0;
    }
    .container {
      background: white;
      padding: 30px;
      border-radius: 12px;
      box-shadow: 0 4px 15px rgba(0, 0, 0, 0.2);
      text-align: center;
      width: 350px;
    }
    h2 {
      color: #333;
      margin-bottom: 20px;
    }
    input {
      padding: 12px;
      margin: 15px 0;
      border: 1px solid #ccc;
      border-radius: 6px;
      width: calc(100% - 24px);
      font-size: 16px;
      outline: none;
      transition: border 0.3s;
    }
  }

```




 Marwadi University Marwadi Chandarana Group		Marwadi University Faculty of Technology Department of Information and Communication Technology	
Subject: Advanced Java (01CT1623)		Aim: Search userDOB by passing arguments as date to servlet by submit the search.html page at SearchResult.java servlet that returns the rows of result back to clientResult page. (Servlet).	
Experiment No:- 03	Date:-	Enrollment No:- 92200133030	



```

input:focus {
    border-color: #667eea;
}
button {
    padding: 12px;
    border: none;
    background: #667eea;
    color: white;
    border-radius: 6px;
    cursor: pointer;
    width: 100%;
    font-size: 16px;
    transition: background 0.3s, transform 0.2s;
}
button:hover {
    background: #5567c3;
    transform: scale(1.05);
}
</style>
</head>
<body>
<div class="container">
  <h1>Client Result</h1>
  <h2>Enter Your Date of Birth</h2>
  <form action="Validate_DOB" method="post">
    <input type="date" name="dob" required>
    <button type="submit" name="Validate">Submit</button>
  </form>
</div>
</body>
</html>


```

Output:-

	First_Name	Surname	User_Name	DOB
<input type="checkbox"/>  Edit  Copy  Delete	Aryan	Langhanoja	Aryan_Patel	2004-03-23

 Marwadi University Marwadi Chandarana Group 	Marwadi University Faculty of Technology Department of Information and Communication Technology		
Subject: Advanced Java (01CT1623)	Aim: Search userDOB by passing arguments as date to servlet by submit the search.html page at SearchResult.java servlet that returns the rows of result back to clientResult page. (Servlet).		
Experiment No:- 03	Date:-	Enrollment No:- 92200133030	

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1 First_Name	varchar(50)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/>	2 Surname	varchar(50)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/>	3 User_Name	varchar(50)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/>	4 DOB	date			No	None			Change Drop More

 Marwadi University Marwadi Chandarana Group	NAAC A+	Marwadi University Faculty of Technology Department of Information and Communication Technology	
Subject: Advanced Java (01CT1623)		Aim: Search userDOB by passing arguments as date to servlet by submit the search.html page at SearchResult.java servlet that returns the rows of result back to clientResult page. (Servlet).	
Experiment No:- 03	Date:-	Enrollment No:- 92200133030	

Client Result

Enter Your Date of Birth


Submit

User Not Found

Client Result

Enter Your Date of Birth

Submit

 Marwadi University Marwadi Chandarana Group	NAAC A+	Marwadi University Faculty of Technology Department of Information and Communication Technology	
Subject: Advanced Java (01CT1623)	Aim: Search userDOB by passing arguments as date to servlet by submit the search.html page at SearchResult.java servlet that returns the rows of result back to clientResult page. (Servlet).		
Experiment No:- 03	Date:-	Enrollment No:- 92200133030	

Client Result

Enter Your Date of Birth

Submit

First Name :- Aryan
Surname :- Langhanoja
User Name :- Aryan_Patel