 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:- 04-02-2025	Enrollment No:- 92200133003	

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.experiment3;

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

@WebServlet("/searchDOB")
public class SearchResult extends HttpServlet {
    protected void doPost(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException {
        response.setContentType("text/html;charset=UTF-8");
        PrintWriter out = response.getWriter();

        String dob = request.getParameter("dob");

        try {
            // Load MySQL JDBC Driver
            Class.forName("com.mysql.cj.jdbc.Driver");


            // Connect to the database
            Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/aj_practical",
"root", "");

            // Prepare SQL query
            String query = "SELECT Username, Email FROM people WHERE dob = ?";
            PreparedStatement ps = con.prepareStatement(query);
            ps.setString(1, dob);

            ResultSet rs = ps.executeQuery();

            // Display results
            out.println("<h2>Users with Date of Birth: " + dob + "</h2>");
            out.println("<table border='1'><tr><th>Username</th><th>Email</th></tr>");

            boolean hasData = false;
            while (rs.next()) {
                hasData = true;
                out.println("<tr>");
                out.println("<td>" + rs.getString("Username") + "</td>");
                out.println("<td>" + rs.getString("Email") + "</td>");
            }
        } catch (Exception e) {
            out.println(e.getMessage());
        }
    }
}
```

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```

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

    if (!hasData) {
        out.println("<tr><td colspan='2'>No users found with this DOB.</td></tr>");
    }

    out.println("</table>");

    // Close resources
    rs.close();
    ps.close();
    con.close();
} catch (Exception e) {
    out.println("<p>Error: " + e.getMessage() + "</p>");
}
}
}
}

```

Search.html


```

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>Search DOB</title>

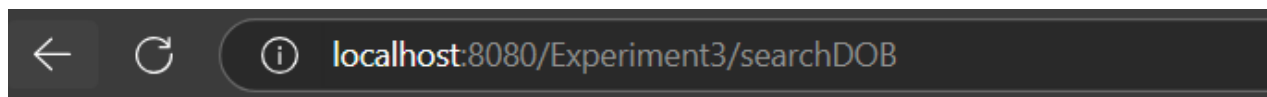
</head>
<body>
<form id="searchform" method="post" action="searchDOB" >
    Please Select Date of Birth:
    <input type="date" name="dob" id="dob">
    <button type="submit">Find</button>
</form>

</body>
</html>

```

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Output:-












Users with Date of Birth: 2025-02-13

Username	Email
Abhay Nathvani	abhay@gmail.com
Abhay Nathvani	abhay@gmail.com

 **Table structure**

 **Relation view**

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/> 1	Username	varchar(50)	utf8mb4_general_ci		No	None			 Change  Drop  More
<input type="checkbox"/> 2	Email	varchar(20)	utf8mb4_general_ci		No	None			 Change  Drop  More
<input type="checkbox"/> 3	dob	date			No	None			 Change  Drop  More

Username	Email	dob
Abhay Nathvani	abhay@gmail.com	2025-02-13
Abhay Nathvani	abhay@gmail.com	2025-02-13
Abhay Padariya	abhay@gmail.com	2016-02-10
Abhay Padariya	abhay@gmail.com	2016-02-10
Aryan Langhnoja	aryan@gmail.com	2019-02-01
Aryan Langhnoja	aryan@gmail.com	2019-02-01
Prashant Sarvaiya	prashant@gmail.com	2015-02-22
Prashant Sarvaiya	prashant@gmail.com	2015-02-22