6)

```xml
<userlist>
    <user>
        <userid>usr01</userid>
        <username>xxxx</username>
        <address>coimbatore</address>
        <phone>9123456789</phone>
        <email>xxxx@gmail.com</email>
    </user>
    <user>
        <userid>usr02</userid>
        <username>yyyy</username>
        <address>chennai</address>
        <phone>9111111111</phone>
        <email>yyyy@gmail.com</email>
    </user>
    <user>
        <userid>usr03</userid>
        <username>zzzz</username>
        <address>telugana</address>
        <phone>9222222222</phone>
        <email>zzzz@gmail.com</email>
    </user>
    <user>
        <userid>usr04</userid>
        <username>abcd</username>
        <address>bangalore</address>
        <phone>9555555555</phone>
        <email>abcd@gmail.com</email>
    </user>
    <user>
        <userid>usr05</userid>
        <username>efgh</username>
        <address>Perambalur</address>
        <phone>9666666666</phone>
        <email>efgh@gmail.com</email>
    </user>
</userlist>
```

```html
<!DOCTYPE html>
<html>
<head>
    <title>Searching for XML Elements</title>
    <script>
        function readXMLData() {
    fetch("userlist.xml")
    .then(response => response.text())
    .then(str => new window.DOMParser().parseFromString(str, "text/xml"))
    .then(xmlData => {
        let users = xmlData.getElementsByTagName("user");
        let inputId = document.getElementById("myText").value;
        let output = "User not found!";

        for (let user of users) {
            let id = user.getElementsByTagName("userid")[0].textContent;
            if (id === inputId) {
                let name = user.getElementsByTagName("username")[0].textContent;
                let address = user.getElementsByTagName("address")
[0].textContent;
                let phone = user.getElementsByTagName("phone")[0].textContent;
                let email = user.getElementsByTagName("email")[0].textContent;

                output = `<b>User ID:</b> ${id}<br>
```

```html
                        <b>Name:</b> ${name}<br>
                        <b>Address:</b> ${address}<br>
                        <b>Phone:</b> ${phone}<br>
                        <b>Email:</b> ${email}`;
                break;
            }
        }

        document.getElementById("displayDIV").innerHTML = output;
    })
    .catch(error => console.error("Error fetching XML:", error));
}

    </script>
</head>
<body>
    <h1>Search User</h1>
    <input type="text" id="myText" placeholder="Enter User ID">
    <input type="button" value="Get User Details" onclick="readXMLData()">
    <p></p>
    <div id="displayDIV"></div>
</body>
</html>
```

----
5)

```html
<!DOCTYPE html>
<html>
<head>
    <title>Online Examination</title>
</head>
<body>
    <center><h1>Online Examination</h1></center>
    <form action="StudentServlet3" method="POST">
        <b>Seat Number:</b> <input type="text" name="Seat_no"><br>
        <b>Name:</b> <input type="text" name="Name"><br><br>
        <b>1. Every host implements transport layer.</b><br>
        <input type="radio" name="group1" value="True">True
        <input type="radio" name="group1" value="False">False<br>
        <b>2. Network layer responsibility?</b><br>
        <input type="radio" name="group2" value="True">True
        <input type="radio" name="group2" value="False">False<br>
        <b>3. Packet switching?</b><br>
        <input type="radio" name="group3" value="True">True
        <input type="radio" name="group3" value="False">False<br>
        <b>4. Phone networks use packet switching?</b><br>
        <input type="radio" name="group4" value="True">True
        <input type="radio" name="group4" value="False">False<br>
        <b>5. HTML is a Protocol?</b><br>
        <input type="radio" name="group5" value="True">True
        <input type="radio" name="group5" value="False">False<br><br>
        <input type="submit" value="Submit">
    </form>
</body>
</html>
```

```java
import java.io.*;
import java.sql.*;
import jakarta.servlet.*;
import jakarta.servlet.http.*;

public class StudentServlet3 extends HttpServlet {
    private static final long serialVersionUID = 1L;
```

```java
    public void doPost(HttpServletRequest request, HttpServletResponse response)
throws ServletException, IOException {
        String Seat_no = request.getParameter("Seat_no");
        String Name = request.getParameter("Name");
        String ans1 = request.getParameter("group1");
        String ans2 = request.getParameter("group2");
        String ans3 = request.getParameter("group3");
        String ans4 = request.getParameter("group4");
        String ans5 = request.getParameter("group5");

        int Total = 0;
        if ("True".equals(ans1))
            Total += 2;
        if ("False".equals(ans2))
            Total += 2;
        if ("True".equals(ans3))
            Total += 2;
        if ("False".equals(ans4))
            Total += 2;
        if ("False".equals(ans5))
            Total += 2;

        Connection connect = null;
        PreparedStatement pstmt = null;
        Statement stmt = null;
        ResultSet rs = null;

        response.setContentType("text/html");
        PrintWriter out = response.getWriter();
        out.println("<html><body bgcolor=cyan><center>");
        out.println("<h1>Thank you for participating in the online exam</h1>");
        out.println("<h3>Your results are stored in our database</h3>");
        out.println("<br><br>");
        out.println("<b>Participants and their Marks</b>");
        out.println("<table border=5>");
        out.println("<tr><th>Seat_no</th><th>Name</th><th>Marks</th></tr>");

        try {
            Class.forName("com.mysql.cj.jdbc.Driver");
            connect =
DriverManager.getConnection("jdbc:mysql://localhost:3306/studentdb", "root",
"password");

            // Insert student data
            String query = "INSERT INTO student (Seat_no, Name, Total) VALUES
(?, ?, ?)";
            pstmt = connect.prepareStatement(query);
            pstmt.setString(1, Seat_no);
            pstmt.setString(2, Name);
            pstmt.setInt(3, Total);
            pstmt.executeUpdate();
            pstmt.close(); // Close the prepared statement

            // Open a new statement for retrieving data
            stmt = connect.createStatement();
            rs = stmt.executeQuery("SELECT * FROM student");

            while (rs.next()) {
                out.println("<tr>");
                out.println("<td>" + rs.getString("Seat_no") + "</td>");
                out.println("<td>" + rs.getString("Name") + "</td>");
                out.println("<td>" + rs.getInt("Total") + "</td>");
                out.println("</tr>");
```

```java
            }

        } catch (Exception e) {
            e.printStackTrace();
            out.println("<p>Error: " + e.getMessage() + "</p>");
        } finally {
            try {
                if (rs != null)
                    rs.close();
                if (stmt != null)
                    stmt.close();
                if (connect != null)
                    connect.close();
            } catch (SQLException e) {
                e.printStackTrace();
            }
        }

        out.println("</table>");
        out.println("</center></body></html>");
    }
}
```

----
4)

```html
<html>
<body bgcolor = "cyan">
<center>
<h1>WELCOME TO REGISTRATION PAGE</h1>
<form action="./registerone" METHOD="post">
Name: <input type="text" name = "name"><br><br>
Password: <input type="password" name="password"><br><br>
PROFESSION:
<select name="profession">
<option value="engineer">ENGINEER</option>
<option value="teacher">TEACHER</option>
<option value="businessman">BUSINESSMAN</option>
</select><br><br>
<input type="submit" value="REGISTER">
</form>
</center>
</body>
</html>
```

```java
import java.io.IOException;
import java.io.PrintWriter;
import jakarta.servlet.ServletException;
import jakarta.servlet.http.HttpServlet;
import jakarta.servlet.http.HttpServletRequest;
import jakarta.servlet.http.HttpServletResponse;

public class RegistrationServletOne extends HttpServlet {
    public void doPost(HttpServletRequest request, HttpServletResponse response)
            throws ServletException, IOException {
        String name = request.getParameter("name");
        String password = request.getParameter("password");
        String profession = request.getParameter("profession");
        response.setContentType("text/html");
        PrintWriter out = response.getWriter();
        out.println("<html><body bgcolor = wheat>");
        out.println("<center>");
        out.println("<h1>COMPLETE THE REGISTRATION</h1>");
```

```
        out.println("<form action = ./registertwo method = post");
        out.println("<input type = hidden name = name value =" + name + ">");
        out.println("<input type = hidden name = password value =" + password +
">");
        out.println("<input type = hidden name = profession value =" +
profession + ">");
        out.println("EMAIL ID:<input type =text name = email><br><br>");
        out.println("PHONE NO:<input type =text name = cell><br><br>");
        out.println("<input type =submit value=registernow>");
        out.println("</center>");
        out.println("</body></html>");
        out.close();
    }
}


import java.io.IOException;
import java.io.PrintWriter;
import jakarta.servlet.ServletException;
import jakarta.servlet.http.HttpServlet;
import jakarta.servlet.http.HttpServletRequest;
import jakarta.servlet.http.HttpServletResponse;
public class RegistrationServletTwo extends HttpServlet {
    public void doPost(HttpServletRequest request, HttpServletResponse response)
            throws ServletException, IOException {
        // Retrieve parameters from the previous page
        String name = request.getParameter("name");
        String password = request.getParameter("password");
        String profession = request.getParameter("profession");
        String email = request.getParameter("email");
        String cell = request.getParameter("cell");
        // Set the content type and prepare output
        response.setContentType("text/html");
        PrintWriter out = response.getWriter();
        // Display collected details
        out.println("<html><body bgcolor='wheat'>");
        out.println("<center>");
        out.println("<h1>REGISTRATION SUCCESSFUL!</h1>");
        out.println("<h2>Here are your details:</h2>");
        out.println("<table border='1' cellpadding='5' cellspacing='0'>");
        out.println("<tr><td><b>Name:</b></td><td>" + name + "</td></tr>");
        out.println("<tr><td><b>Password:</b></td><td>" + password +
"</td></tr>");
        out.println("<tr><td><b>Profession:</b></td><td>" + profession +
"</td></tr>");
        out.println("<tr><td><b>Email:</b></td><td>" + email + "</td></tr>");
        out.println("<tr><td><b>Phone:</b></td><td>" + cell + "</td></tr>");
        out.println("</table>");
        out.println("<br><br><a href='register.html'>Go to Home</a>");
        out.println("</center>");
        out.println("</body></html>");
        out.close();
    }
}



--------------------------------------------------------------------------------
-----------------------------------

2)

<!DOCTYPE html>
<html lang="en">
<head>
```

```html
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Use of Internal and External Stylesheets</title>
    <link rel="stylesheet" href="xyz.css" type="text/css">

    <style>
        .vid {
            font-family: Verdana;
            font-style: italic;
            color: red;
            text-align: center;
        }
        .ani {
            font-family: Tahoma;
            font-style: italic;
            font-size: 20px;
            text-align: center;
        }
        font {
            font-family: Georgia;
            color: blue;
            font-size: 20px;
        }
        ul {
            list-style-type: circle;
        }
        p {
            font-family: Georgia, serif;
            font-size: x-small;
        }
        hr {
            color: #ff9900;
            height: 1px;
        }
        a:hover {
            color: #ff0000;
            text-decoration: none;
        }
    </style>
</head>
<body>
    <h1 style="color:blue;margin-left:30px;">Welcome</h1> <!-- Inline CSS -->

    <ol style="list-style-type:lower-alpha"> <!-- Inline CSS -->
        <b>Sri Krishna College of Technology</b>
        <br><br><br>
        <li>EEE</li>
        <li>ECE</li>
        <li>MECH</li>
        <li>CSE</li>
    </ol>

    <p style="font-size:20pt;color:purple">Details</p> <!-- Inline CSS -->

    <p class="ani">
        Sri Krishna College of Technology <br>
        It is approved by AICTE (All India Council for Technical Education).
        It is affiliated to Anna University.
    </p>

    <h2 class="vid">Sri Krishna College of Technology</h2>

    <font>
        <h2>List of Courses offered</h2>
```

```html
        <ul>
            <li>Computer Science and Engineering</li>
            <li>ECE</li>
            <li>MECH</li>
            <li>EEE</li>
        </ul>
    </font>

    <h3>Results of CSE students</h3>

    <table width="100%" cellspacing="2" cellpadding="2" border="5">
        <tr>
            <th>S.NAME</th>
            <th>MARKS</th>
            <th>RESULT</th>
        </tr>
        <tr>
            <td align="center">Suppriya</td>
            <td align="center">100</td>
            <td align="center">Pass</td>
        </tr>
        <tr>
            <td align="center">Devishree</td>
            <td align="center">99</td>
            <td align="center">Pass</td>
        </tr>
        <tr>
            <td align="center">Vinayagam</td>
            <td align="center">98</td>
            <td align="center">Pass</td>
        </tr>
    </table>
</body>
</html>
```