

ONLINE QUIZ PROJECT :-

Registration page:-

Reg.2

```
<!DOCTYPE html>
<html>
<head>
<title>Registration Form</title>
</head>
<body>
  <form action="store.jsp" method="post">
    <table align="center">
      <tr>
        <th colspan="2" style="padding:20px;">Registration Page</th>
      </tr>
      <tr>
        <td>
          Name :
        </td>
        <td>
          <input type="text" name="rname">
        </td>
      </tr>
      <tr>
        <td>
          Email :
        </td>
        <td>
          <input type="email" name="remail">
        </td>
      </tr>
      <tr>
        <td>
          Gender :
        </td>
        <td>
          <input type="radio" name="rgender" value="Male">Male
          <input type="radio" name="rgender" value="Female">FeMale
          <input type="radio" name="rgender" value="Others">Others
        </td>
      </tr>
      <tr>
        <td>
          Enter Password :
        </td>
        <td>
          <input type="password" name="renterPass">
        </td>
      </tr>
      <tr>
        <td>
          Confirm Password :
        </td>
        <td>
          <input type="password" name="rconfirmPass">
        </td>
      </tr>
      <tr>
        <td>
        </td>
        <td style="padding:10px; ">
          <input type="reset" value="Clean">
          &nbsp;<input type="submit" value="Signup">
        </td>
      </tr>
    </table>
  </form>
</body>
</html>
```

```

        </tr>

    </table>
</form>
<h5 align = "center" > Or</h5>
<form action="Get.html" method="post" >
<table align="center">
    <tr>
        <td>
        </td>
        <td style="padding: 1px;">
            <input type="submit" value="Login">
        </td>
    </tr>
</table>
</form>
</body>
</html>

```



Registration Page

Name :

Email :

Gender : ☐ Male ☐ FeMale ☐ Others

Enter Password :

Confirm Password :

Signup Done Successfully!

Registration Page

Name :

Email :

Gender : ☐ Male ☐ FeMale ☐ Others

Enter Password :

Confirm Password :

Or

GET.html:-

```
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>Insert title here</title>
</head>
<body>
  <form action="Login" method="post">
    <table align="center">
      <tr>
        <td>
          Email :
        </td>
        <td>
          <input type="email" name="remail">
        </td>
      </tr>
      <tr>
        <td>
          Enter Password :
        </td>
        <td>
          <input type="password" name="renterPass">
        </td>
      </tr>
      <tr>
        <td>
        </td>
        <td style="padding:20px; ">
          <input type="submit" value="Start">
        </td>
      </tr>
    </table>
  </form>
</body>
</html>
```



Sorry UserName or Password Error!

Email :

Enter Password :

Start

Store.jsp:-

```
<%@ page import="java.sql.*"%>
<%@ page import="javax.servlet.RequestDispatcher" %>
<%@ page import="java.io.PrintWriter" %>
<%
String name=request.getParameter("rname");
String email=request.getParameter("remail");
String gender=request.getParameter("rgender");
String pass=request.getParameter("renterPass");
String pass1=request.getParameter("rconfirmPass");
response.setContentType("text/html");

PrintWriter out1 = response.getWriter();
if(pass.equals(pass1)) {
try{
    Connection
    conn=DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:xe","s
ystem","database");
    PreparedStatement ps=conn.prepareStatement("insert into
registration values(?,?,?,?)");
    ps.setString(1,name);
    ps.setString(2,email);
    ps.setString(3,gender);
    ps.setString(4,pass);
    int x=ps.executeUpdate();

    //response.setContentType("text/html");
    //PrintWriter out1 = response.getWriter();
    if(x!=0) {
        out1.print("<html><h3><center>Signup Done
Successfully!</h3></html>");
        RequestDispatcher
        rd=request.getRequestDispatcher("/Reg2.html");
        rd.include(request, response);
    }else{
        out1.print("Something went Wrong....");
        RequestDispatcher rd=request.getRequestDispatcher("/Reg
2.html");
        rd.include(request, response);
    }
}

catch(Exception e){
    //out.print("Check the Email Once again");
    out1.print("<html><h3><center>Check the Email Once
Again!</h3></html>");
    RequestDispatcher rd=request.getRequestDispatcher("/Reg2.html");
    rd.include(request, response);
}

else{
    out1.print("<html><h3><center>Password not matching</h3></html>");
    RequestDispatcher rd=request.getRequestDispatcher("/Reg2.html");
    rd.include(request, response);
}
%>
```

| NAME | | |
|---------------------------------|--------|----------|
| EMAIL | GENDER | PASSWORD |
| ramu ramu8@gmail.com | Male | ramu |
| kiran kirchoudary9@gmail.com | Male | kiran |
| divya div67@gmail.com | Female | divya |
| NAME | | |
| EMAIL | GENDER | PASSWORD |
| pranitha prani8@gmail.com | Female | prani |
| nithya nithya56@gmail.com | Female | nithya |
| 8 rows selected. | | |

LOGINSERVLET:-

```
package webdemo;
```

```
import java.io.IOException;
import java.io.PrintWriter;
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("/LoginServlet")
public class LoginServlet extends HttpServlet {
    private static final long serialVersionUID = 1L;

    private static final String[][] questions = {
        {"Who found java programming?", "Guido van Rossum", "James Gosling", "Dennis Ritchie", "Bjarne Stroustrup", "2"},
        {"What part is used to compile, debug and execute java programs?", "JRE", "JIT", "JDK", "JVM", "3"},
        {"Which of the following is the super class of all java classes?", "Array List", "Abstract class", "Object class", "String", "3"},
        {"Which permits the removal of elements from a collection?", "Enumeration", "Iterator", "Both", "None of above", "2"},
        {"The comparator() interface contains the method?", "compareTo()", "compare()", "comparison()", "3"},
        {"What is the life cycle method of a servlet is called when the servlet is first loaded into memory?", "init()", "doGet()", "doPost()", "service", "1"},
        {"Which keyword is used for Debugging in java?", "Abstract", "Insert", "Assert", "Boolean", "3"},
        {"Parent class of all java classes is?", "Java.lang.system", "Java.lang.object", "java.lang.class", "java.lang.reflect.object", "2"},
        {"Which of the following is NOT a java primitive type?", "short", "long", "long double", "boolean", "3"},
    };
}
```

```

        {"Which section provides for the implementation of the private
server side of the system?", "Server", "Server
Reader", "Socket", "ServerSocket", "4"},

        // Add more questions here
    };

    private int score = 0;
    private int currentQuestion = 0;    // changed to start at 0

    protected void doGet(HttpServletRequest request, HttpServletResponse
response) throws ServletException, IOException {
        response.setContentType("text/html");
        PrintWriter out = response.getWriter();
        String username = request.getParameter("username");

        out.println("<html><head><title>Quiz</title>");
        out.println("<style>");
        out.println("body { font-family: Arial, sans-serif; }");
        out.println(".timer { position: absolute; top: 50px; left: 500px;
font-size: 20px; color: blue; font-weight: bold; background-color:
yellow; padding: 5px; border: 2px solid blue; border-radius: 5px; }");
        out.println("h1 { text-align: center; }");
        // out.println("form { text-align: center; }");
        out.println("</style>");
        out.println("<script type='text/javascript'>");
        out.println("var timeLeft = 15;");    // 30 seconds timer
        out.println("function countdown() {");
        out.println("    if (timeLeft == 0) {");
        out.println("document.getElementById('quizForm').submit();");
        out.println("    } else {");
        out.println("        document.getElementById('timer').innerHTML =
timeLeft + ' seconds remaining';");
        out.println("        timeLeft--;");
        out.println("        setTimeout(countdown, 1000);");
        out.println("    }");
        out.println("}");
        out.println("window.onload = function() { countdown(); }");
        out.println("</script>");
        out.println("</head><body>");

        if (currentQuestion < questions.length) {
            String[] question = questions[currentQuestion];
            out.println("<div class='timer' id='timer'>15 seconds
remaining</div>");    // Timer display
            out.println("<h1>Mind Quiz</h1>");
            out.println("<h2>Hi!!Welcome To Our Quiz</h2>");
            out.println("<form id='quizForm' method='post'>");
            out.println("<h3>" + question[0] + "</h3>");
            for (int i = 1; i < question.length - 1; i++) {
                out.println("<input type='radio' name='answer' value='" +
i + "'>" + question[i] + "<br>");
            }
            out.println("<input type='hidden' name='action'
value='next'>");
            out.println("<input type='submit' value='Next'>");
            // if(currentQuestion>0&&) {

```

```

        // out.println("<input type='submit' name='action'
value='Back'>");
        //}
        if(currentQuestion>9) {
            out.println("<input type='submit' name='action'
value='Submit'>");
        }
        out.println("</form>");
    } else {
        out.println("<h1>Quiz Result</h1>");
        out.println("<h2>Your score : " + score + "/" +
questions.length + "</h2>");
    }

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

protected void doPost(HttpServletRequest request, HttpServletResponse
response) throws ServletException, IOException {
    String userAnswer = request.getParameter("answer");
    String action =request.getParameter("action");
    if("next".equals(action)) {
        if (userAnswer != null &&
userAnswer.equals(questions[currentQuestion]
[questions[currentQuestion].length - 1])) {
            score++;
        }
        currentQuestion ++;
    }
    else if("Back".equals(action)) {
        currentQuestion--;
        if(currentQuestion<0) {
            currentQuestion=0;
        }
    }
    doGet(request, response);
}
}

```

LOGIN.JAVA:-

```

package webdemo;
import java.io.IOException;
import java.io.PrintWriter;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.sql.ResultSet;

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;

@WebServlet("/Login")
public class Login extends HttpServlet {
    private static final long serialVersionUID = 1L;

```

```

        protected void doPost(HttpServletRequest request, HttpServletResponse
response) throws ServletException, IOException {
            String email = request.getParameter("reMail");
            String password = request.getParameter("reEnterPass");

            Connection conn = null;
            PreparedStatement pst = null;
            ResultSet rs = null;

            try {
                // Load the MySQL driver
                Class.forName("oracle.jdbc.driver.OracleDriver");

                // Connect to the database
                conn =
DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:xe",
"system", "database");

                // Prepare the SQL statement
                pst = conn.prepareStatement("SELECT * FROM registration WHERE
email = ? AND password = ?");
                pst.setString(1, email);
                pst.setString(2, password);

                // Execute the query
                rs = pst.executeQuery();
                response.setContentType("text/html");
                PrintWriter out = response.getWriter();

                /* if (rs.next()) {
                    // Login successful, redirect to the welcome servlet
                    response.sendRedirect("LoginServlet");
                } else {
                    // Login failed, show an error message
                    PrintWriter out = response.getWriter();
                    response.sendRedirect("Get.html");
                    out.println("Login failed. Invalid username or
password");
                } */

                if(rs.next()) {
                    RequestDispatcher
rd=request.getRequestDispatcher("LoginServlet");
                    rd.forward(request, response);
                }
                else{
                    out.print("<html><h3><center>Sorry UserName or Password
Error!</h3></html>");
                    RequestDispatcher
rd=request.getRequestDispatcher("/Get.html");
                    rd.include(request, response);
                    // response.sendRedirect("Get.html");
                }
            }
            catch (Exception e) {
                e.printStackTrace();
            }
            finally {

```



```

        try {
            if (rs != null) rs.close();
            if (pst != null) pst.close();
            if (conn != null) conn.close();
        } catch (Exception e) {
            e.printStackTrace();
        }
    }
}
}
INDEX.html:-
<!DOCTYPE html>
<html>
<head>
    <title>Quiz Submission</title>
</head>
<body>
    <h3><center>Score Details</center></h3>
    <form action="Result" method="post" align="center">
        <label for="email">Email:</label>
        <input type="text" id="email" name="email" required><br>
        <br><label for="score">Score:</label>
        <input type="number" id="score" name="score" required><br>
        <br><input type="submit" value="Submit Score">
    </form>
</body>
</html>

```

Score Details

Email:

Score:

Score recorded successfully!

Email:

Score:

```

RESULT.JAVA:-
package webdemo;
import java.io.IOException;
import java.io.PrintWriter;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.sql.SQLException;
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("/Result")
public class Result extends HttpServlet {
    private static final long serialVersionUID = 1L;

```

```

// Database connection parameters
private String jdbcURL = "jdbc:oracle:thin:@localhost:1521:xe";
private String jdbcUsername = "system";
private String jdbcPassword = "database";

protected void doPost(HttpServletRequest request, HttpServletResponse
response)
    throws ServletException, IOException {
    response.setContentType("text/html");
    PrintWriter out = response.getWriter();

    String email = request.getParameter("email");
    int score = Integer.parseInt(request.getParameter("score"));

    Connection conn = null;
    PreparedStatement stmt = null;

    try {
        // Load JDBC driver
        Class.forName("oracle.jdbc.driver.OracleDriver");

        // Establish connection
        conn =
DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:xe",
"system","database");

        // Prepare SQL statement
        String sql = "INSERT INTO quiz_score (email, score) VALUES
(?, ?)";

        stmt = conn.prepareStatement(sql);
        stmt.setString(1, email);
        stmt.setInt(2, score);

        // Execute the insert
        int rows = stmt.executeUpdate();

        if (rows > 0) {
            out.println("<h1>Score recorded successfully!</h1>");
        } else {
            out.println("<h1>Error recording score.</h1>");
        }
    } catch (ClassNotFoundException e) {
        e.printStackTrace();
        out.println("<h1>Database driver not found.</h1>");
    } catch (SQLException e) {
        e.printStackTrace();
        out.println("<h1>Database error.</h1>");
    } finally {
        try {
            if (stmt != null) stmt.close();
            if (conn != null) conn.close();
        } catch (SQLException e) {
            e.printStackTrace();
        }
    }
}

```

Mind Quiz

10 seconds remaining

Hi!!Welcome To Our Quiz

Who found java programming?

- ☐ Guido van Rossum
- ☐ James Gosling
- ☐ Dennis Ritchie
- ☐ Bjarne Stroustrup

Next

Quiz Result

Your score : 6/10

| EMAIL | SCORE |
|-----------------|-------|
| ----- | ----- |
| ammu@gmail.com0 | 10 |
| raji@gmail.com | 8 |
| ramu@gmail.com | 8 |
| ramu@gmail.com | 6 |