**Index.html**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8" />

<title>Online Examination System - 5 Questions</title>

</head>

<body>

<h1>Online Quiz</h1>

<form action="quiz" method="post">

<h3>1. What is the capital of France?</h3>

<input type="radio" name="q1" value="A" /> A) Berlin <br />

<input type="radio" name="q1" value="B" /> B) Madrid <br />

<input type="radio" name="q1" value="C" /> C) Paris <br />

<input type="radio" name="q1" value="D" /> D) Rome <br />

<h3>2. Which language is primarily used for Android app development?</h3>

<input type="radio" name="q2" value="A" /> A) Java <br />

<input type="radio" name="q2" value="B" /> B) Python <br />

<input type="radio" name="q2" value="C" /> C) C++ <br />

<input type="radio" name="q2" value="D" /> D) Swift <br />

<h3>3. What does HTML stand for?</h3>

<input type="radio" name="q3" value="A" /> A) Hyper Text Markup Language <br />

<input type="radio" name="q3" value="B" /> B) Home Tool Markup Language <br />

<input type="radio" name="q3" value="C" /> C) Hyperlinks and Text Markup Language <br />

<input type="radio" name="q3" value="D" /> D) Hyperlinking Text Marking Language <br />

<h3>4. Which planet is known as the Red Planet?</h3>

<input type="radio" name="q4" value="A" /> A) Earth <br />

<input type="radio" name="q4" value="B" /> B) Mars <br />

<input type="radio" name="q4" value="C" /> C) Jupiter <br />

<input type="radio" name="q4" value="D" /> D) Venus <br />

<h3>5. What is the smallest prime number?</h3>

<input type="radio" name="q5" value="A" /> A) 0 <br />

<input type="radio" name="q5" value="B" /> B) 1 <br />

<input type="radio" name="q5" value="C" /> C) 2 <br />

<input type="radio" name="q5" value="D" /> D) 3 <br />

<br />

<input type="submit" value="Submit Exam" />

</form>

</body>

</html>

**quiz.java**

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(urlPatterns = {"/quiz"})

public class quiz extends HttpServlet {

// Correct answers for 5 questions

private final String[] correctAnswers = {"C", "A", "A", "B", "C"};

@Override

protected void doPost(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

response.setContentType("text/html;charset=UTF-8");

try (PrintWriter out = response.getWriter()) {

// Get answers from request

String[] answers = new String[5];

answers[0] = request.getParameter("q1");

answers[1] = request.getParameter("q2");

answers[2] = request.getParameter("q3");

answers[3] = request.getParameter("q4");

answers[4] = request.getParameter("q5");

// Validate all questions answered

for (int i = 0; i < answers.length; i++) {

if (answers[i] == null) {

out.println("<h2>Please answer all questions!</h2>");

out.println("<a href='exam.html'>Try Again</a>");

return;

}

}

// Calculate score

int score = 0;

for (int i = 0; i < correctAnswers.length; i++) {

if (correctAnswers[i].equalsIgnoreCase(answers[i])) {

score++;

}

}

// Output result page

out.println("<!DOCTYPE html>");

out.println("<html>");

out.println("<head>");

out.println("<title>Quiz Result</title>");

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

out.println("<body>");

out.println("<h1>Your Score: " + score + " out of " + correctAnswers.length + "</h1>");

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

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

}

}

@Override

protected void doGet(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

// Optionally, redirect GET to exam.html or show a simple message

response.sendRedirect("exam.html");

}

@Override

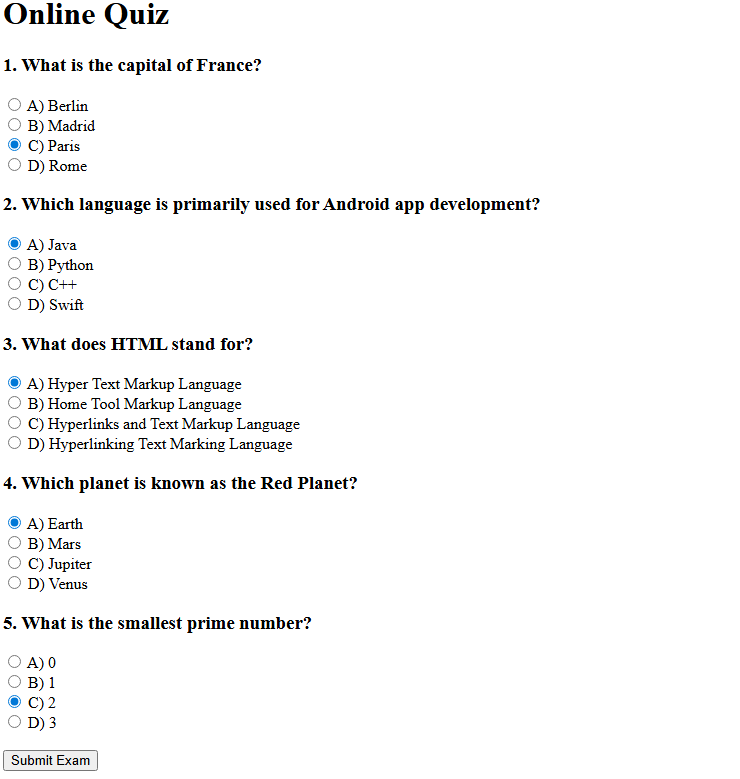
public String getServletInfo() {

return "Quiz grading servlet";

}

}

**Output:**

****

