**Index.html**

Bottom of Form

Bottom of Form

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8" />

<meta name="viewport" content="width=device-width, initial-scale=1" />

<title>Online Exam</title>

</head>

<body>

<h2>Online Exam Form</h2>

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

Name: <input type="text" name="username" required /><br /><br />

1. Which scientist developed the theory of relativity?<br />

<input type="radio" name="q1" value="Isaac Newton" required /> Isaac Newton<br />

<input type="radio" name="q1" value="Albert Einstein" /> Albert Einstein<br />

<input type="radio" name="q1" value="Galileo Galilei" /> Galileo Galilei<br /><br />

2. What is the smallest prime number?<br />

<input type="radio" name="q2" value="0" required /> 0<br />

<input type="radio" name="q2" value="1" /> 1<br />

<input type="radio" name="q2" value="2" /> 2<br /><br />

3. What is the largest desert in the world?<br />

<input type="radio" name="q3" value="Sahara" required /> Sahara<br />

<input type="radio" name="q3" value="Arctic Desert" /> Arctic Desert<br />

<input type="radio" name="q3" value="Gobi" /> Gobi<br /><br />

4. Which element has the chemical symbol 'Au'?<br />

<input type="radio" name="q4" value="Silver" required /> Silver<br />

<input type="radio" name="q4" value="Gold" /> Gold<br />

<input type="radio" name="q4" value="Copper" /> Copper<br /><br />

5. What is the term for animals that eat both plants and meat?<br />

<input type="radio" name="q5" value="Herbivores" required /> Herbivores<br />

<input type="radio" name="q5" value="Carnivores" /> Carnivores<br />

<input type="radio" name="q5" value="Omnivores" /> Omnivores<br /><br />

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

</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;

/\*\*

\*

\* @author 23ucs113

\*/

@WebServlet(urlPatterns = {"/grace"})

public class grace extends HttpServlet {

/\*\*

\* Processes requests for both HTTP <code>GET</code> and <code>POST</code>

\* methods.

\*

\* @param request servlet request

\* @param response servlet response

\* @throws ServletException if a servlet-specific error occurs

\* @throws IOException if an I/O error occurs

\*/

protected void processRequest(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

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

String q1=request.getParameter("q1");

String q2=request.getParameter("q2");

String q3=request.getParameter("q3");

String q4=request.getParameter("q4");

String q5=request.getParameter("q5");

int score=0;

if("Albert Einstein".equals(q1)){

score++;

}

if("2".equals(q2)){

score++;

}

if("Arctic desert".equals(q3)){

score++;

}

if("Gold".equals(q4)){

score++;

}

if("Omnivores".equals(q5)){

score++;

}

response.setContentType("text/html");

PrintWriter out=response.getWriter();

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

out.println("<h2>Result</h2>");

out.println("Name:"+username+"<br>");

out.println("score:"+score+"/5");

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

}

// <editor-fold defaultstate="collapsed" desc="HttpServlet methods. Click on the + sign on the left to edit the code.">

/\*\*

\* Handles the HTTP <code>GET</code> method.

\*

\* @param request servlet request

\* @param response servlet response

\* @throws ServletException if a servlet-specific error occurs

\* @throws IOException if an I/O error occurs

\*/

@Override

protected void doGet(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

processRequest(request, response);

}

/\*\*

\* Handles the HTTP <code>POST</code> method.

\*

\* @param request servlet request

\* @param response servlet response

\* @throws ServletException if a servlet-specific error occurs

\* @throws IOException if an I/O error occurs

\*/

@Override

protected void doPost(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

processRequest(request, response);

}

/\*\*

\* Returns a short description of the servlet.

\*

\* @return a String containing servlet description

\*/

@Override

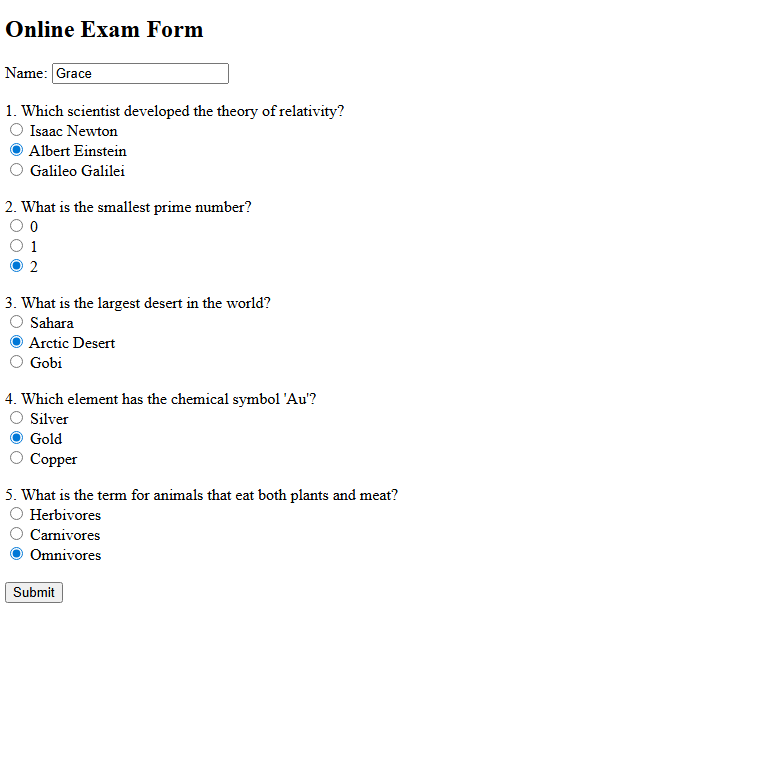
public String getServletInfo() {

return "Short description";

}// </editor-fold>

}

**Output:**

****

