**Aim : Write a java program for question answer application.**

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**ServletApplication**

**Index.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("/Index")

public class Index extends HttpServlet {

private static final long serialVersionUID = 1L;

/\*\*

\* @see HttpServlet#HttpServlet()

\*/

public Index()

{

super();

// TODO Auto-generated constructor stub

}

/\*\*

\* @see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse

response)

\*/

protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException

{

// TODO Auto-generated method stub

PrintWriter out=response.getWriter();

out.println("<html>");

out.println("<body>");

out.println("<form action='Question'><h4><u><center>Check your knowledge....</center></u></h4>");

out.println("<h4> Q.1 : How constructor can be used for a servlet? </h4>");

out.println("<input type='radio' name='radio\_1' value='Initialization'><b>Initialization</b><br>");

out.println("<input type='radio' name='radio\_1' value='Constructor function'><b>Constructor function</b><br>");

out.println("<input type='radio' name='radio\_1' value='Initialization and Constructor function'><b>Initialization and Constructor function</b><br>");

out.println("<input type='radio' name='radio\_1' value='Setup() method'><b>Setup() method</b><br>");

out.println("<h4>Q.2 : Which of the following code is used to get an attribute in a HTTP Session object in servlets? </h4>");

out.println("<input type='radio' name='radio\_2' value='session.getAttribute(String name)'><b>session.getAttribute(String name)</b><br>");

out.println("<input type='radio' name='radio\_2' value='session.alterAttribute(String name)'><b>session.alterAttribute(String name)</b><br>");

out.println("<input type='radio' name='radio\_2' value='session.updateAttribute(String name)'><b>session.updateAttribute(String name)</b><br>");

out.println("<input type='radio' name='radio\_2' value='session.setAttribute(String name)'><b>session.setAttribute(String name)</b><br>");

out.println("<h4>Q.3 : How is the dynamic interception of requests and responses to transform the information done? </h4>");

out.println("<input type='radio' name='radio\_3' value='servlet container'><b>servlet container</b><br>");

out.println("<input type='radio' name='radio\_3' value='servlet config'><b>servlet config</b><br>");

out.println("<input type='radio' name='radio\_3' value='servlet context'><b>servlet context</b><br>");

out.println("<input type='radio' name='radio\_3' value='servlet filter'><b>servlet filter</b><br>");

out.println("<h4>Q.4 : What is the output of relational operators? </h4>");

out.println("<input type='radio' name='radio\_4' value='Integer'><b>Integer</b><br>");

out.println("<input type='radio' name='radio\_4' value='Boolean'><b>Boolean</b><br>");

out.println("<input type='radio' name='radio\_4' value='Characters'><b>Characters</b><br>");

out.println("<input type='radio' name='radio\_4' value=' Double'><b>Double</b><br>");

out.println("<h4>Q.5 : Which of these keywords is used to make a class? </h4>");

out.println("<input type='radio' name='radio\_5' value='class'><b>class</b><br>");

out.println("<input type='radio' name='radio\_5' value='struct'><b>struct</b><br>");

out.println("<input type='radio' name='radio\_5' value='int'><b> int</b><br>");

out.println("<input type='radio' name='radio\_5' value='none of the mentioned'><b>none of the mentioned</b><br>");

out.println("<input type='Submit' name='btnsubmit'>");

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

}

/\*\*

\* @see HttpServlet#doPost(HttpServletRequest request, HttpServletResponse

response)

\*/

protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException

{

// TODO Auto-generated method stub

doGet(request, response);

}

}

**Question.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("/Question")

public class Question extends HttpServlet {

private static final long serialVersionUID = 1L;

private Object btnsubmit;

/\*\*

\* @see HttpServlet#HttpServlet() \*/

public Question()

{

super();

// TODO Auto-generated constructor stub

}

/\*\*

\* @see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse

response) \*/

protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException

{

// TODO Auto-generated method stub

PrintWriter out=response.getWriter();

int correct=0;

int incorrect=0;

String ans\_1=request.getParameter("radio\_1");

String ans\_2=request.getParameter("radio\_2");

String ans\_3=request.getParameter("radio\_3");

String ans\_4=request.getParameter("radio\_4");

String ans\_5=request.getParameter("radio\_5");

if((ans\_1!=null)&&(ans\_2!=null)&&(ans\_3!=null)&&(ans\_4!=null)&&(ans\_5!=null))

{

if(ans\_1.equals("Initialization and Constructor function"))

{

correct++;

}

else

{

incorrect++;

}

if(ans\_2.equals("session.getAttribute(String name)"))

{

correct++;

}

else

{

incorrect++;

}

if(ans\_3.equals("servlet filter"))

{

correct++;

}

else

{

incorrect++;

}

if(ans\_4.equals("Boolean"))

{

correct++;

}

else

{

incorrect++;

}

if(ans\_5.equals("class"))

{

correct++;

}

else

{

incorrect++;

}

try

{

out.println("<h1>Result of the test</h1><br>");

out.println("<h2>Correct Answer : "+correct+"</h2>");

out.println("<h2>Incorrect Answer : "+incorrect+"</h2>");

}

catch(NumberFormatException e)

{

e.printStackTrace();

}

}

else

{

//out.println("Select Answer");

out.println("<Script type='text/javascript'>alert('Select Answer');</script>");

}

}

/\*\*

\* @see HttpServlet#doPost(HttpServletRequest request, HttpServletResponse

response) \*/

protected void doPost(HttpServletRequest request, HttpServletResponse

response) throws ServletException, IOException

{

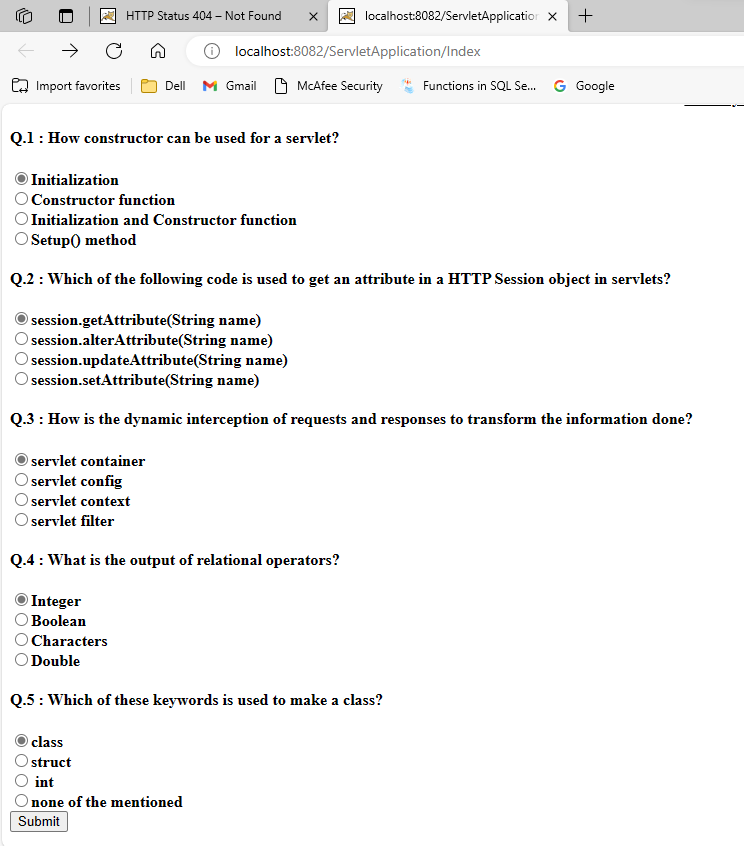
// TODO Auto-generated method stub

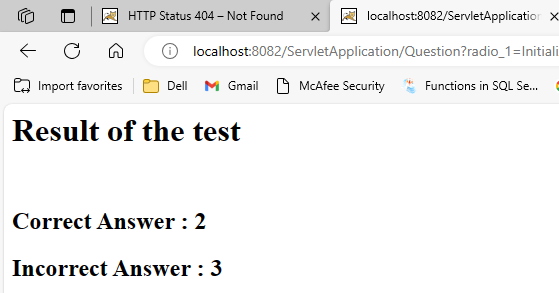
doGet(request, response);

}

}

**Output :**

****

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