**Practical 2c)**

**Q. Develop a simple servlet question answer application using a database.**

**OneAnsDBServlet.java**

**import java.sql.\*;**

import java.io.IOException;

import java.io.PrintWriter;

import javax.servlet.ServletException;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

public class OneAnsDBServlet extends HttpServlet {

@Override

protected void doGet(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

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

PrintWriter out = response.getWriter();

try{

out.print("<html><body><br>");

out.println("<form method='post' action='Marks'>");

Class.forName("com.mysql.jdbc.Driver");

Connection con=DriverManager.getConnection("jdbc:mysql://localhost:3306/user","root","");

Statement st=con.createStatement();

String sql = "select \* from quiz";

ResultSet rs=st.executeQuery(sql);

int i=0;

out.print("<center>Online Exam</center>");

while(rs.next()){

i++;

out.println("<br><br><br>"+rs.getInt(1)+".");

out.println(rs.getString(2));

out.println("<br><input type='radio' name="+i+"value=1>" + rs.getString(3));

out.println("<br><input type='radio' name="+i+"value=1>" + rs.getString(4));

out.println("<br><input type='radio' name="+i+"value=1>" + rs.getString(5));

out.println("<br><input type='radio' name="+i+"value=1>" + rs.getString(6));

String ans="ans"+i;

out.println("<input type='hidden' name="+ans+"value="+rs.getString(7)+i+">");

}

out.println("<input type='hidden' name='total'value="+i+">");

out.println("<br><input type='submit' value='submit'>");

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

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

}

catch(Exception e){

out.println(e);

}

}

}

**Marks.java**

**import java.sql.\*;**

import java.io.IOException;

import java.io.PrintWriter;

import javax.servlet.ServletException;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

public class Marks extends HttpServlet {

@Override

protected void doPost(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

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

PrintWriter out = response.getWriter();

try{

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

int total=Integer.parseInt(request.getParameter("total"));

int marks=0;

for(int i=1;i<=total;i++)

{

String sel= request.getParameter(new Integer(i).toString());

String ans=request.getParameter("ans"+i);

if(sel.equals(ans))

{

marks++;

}

out.println("Total Marks : "+marks);

}

}

catch(Exception e){}

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

}

}

**Output**



