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import java.util.*;
import java.io.*;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;
import java.sql.ResultSetMetaData;

public class InsertAssig {

    private static String dbURL =
"jdbc:derby://red.eecs.yorku.ca:52041/EECS2041;user=student;password=secret";
    private static Connection conn = null;
    private static Statement stmt = null;
    private static String par1=null;
    private static String par2=null;

    public static void main(String[] args) {

        readPar();
        createConnection();
        insertAssig(par1, par2);
        printMsg();

    }

    private static void readPar()
    {
        Hashtable form_data= cgi_lib.ReadParse(System.in);
        par1= (String)form_data.get("a1");
        par2= (String)form_data.get("a2");
    }

    private static void shutdown()
    {
        try
        {
            if (stmt != null)
            {
                stmt.close();
            }
            if (conn != null)
            {
                DriverManager.getConnection(dbURL + ";shutdown=true");
                conn.close();
            }
        }
        catch (SQLException sqlExcept)
        {
            // do nothing for now
        }
    }

    private static ResultSet selectTable()
    {
        ResultSet results = null;

        try
        {
            stmt = conn.createStatement();

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        stmt.executeUpdate("set schema course");
        results = stmt.executeQuery("select * from assig6");
    }
    catch (SQLException sqlExcept)
    {
        sqlExcept.printStackTrace();
    }

    return results;
}

private static void createConnection()
{
    try
    {
        Class.forName("org.apache.derby.jdbc.ClientDriver").newInstance();
        //Get a connection
        conn = DriverManager.getConnection(dbURL);
    }
    catch (Exception except)
    {
        except.printStackTrace();
    }
}

private static void insertAssig(String a1, String a2)
{
    try
    {
        stmt = conn.createStatement();
        stmt.executeUpdate("set schema course");
        stmt.executeUpdate("insert into assig6 values ( '" + a1 + "', '" + a2 + "')");
        stmt.close();
    }
    catch (SQLException sqlExcept)
    {
        sqlExcept.printStackTrace();
    }
}

public static void printMsg() {

    // Output the header(s).
    System.out.print("Content-type: text/html\r\n");
    System.out.print("\r\n");

    //-----
    // Set up HTML template.

    String htmlHead = ""
        + "<!DOCTYPE html>\n"
        + "<html>\n"
        + "<head>\n"
        + "    <title>\n"
        + "        Assignment 6 from Java!\n"
        + "    </title>\n"
        + "</head>\n"
        + "\n"
        + "    <style type=\"text/css\">\n"
        + "        table, td, th\n"
        + "        {border:1px solid black; background-color:yellow;}\n"
        + "    </style > \n"
        + "<body>\n";
    System.out.print(htmlHead);
}

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/*createConnection(); */
ResultSet results = selectTable();

try {

    // get column names from the database
    ResultSetMetaData rsmd = results.getMetaData();
    int numberCols = rsmd.getColumnCount();

    // begin table
    System.out.println("<table>");

    // header row
    System.out.println("<tr>");

    for (int i=1; i<=numberCols; i++)
    {
        //print column names
        System.out.println("<th>" + rsmd.getColumnLabel(i) + "</th>");
    }

    System.out.println("</tr>");

    // table data rows
    while(results.next())
    {
        // get the results from the db
        System.out.println("<tr>");

        for (int i = 1; i <= numberCols; i++)
        {
            String col = results.getString(i);
            System.out.println("<td>" + col + "</td>");
        }

        System.out.println("</tr>");
    }

    // end table
    System.out.println("</table>");

    // clean up the connection to database
    results.close();
    stmt.close();

}
catch (Exception e)
{
    e.printStackTrace();
}

shutdown();

// finish up html
String htmlFoot = "\n"
    + "</body>\n"
    + "</html>\n";
System.out.print(htmlFoot);

}

}

```