Lista de Exercícios 13

SQL Embutida

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package arbitros;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.ResultSet;

import java.sql.SQLException;

import java.sql.Statement;

import java.sql.PreparedStatement;

import java.util.Scanner;

import java.util.logging.Level;

import java.util.logging.Logger;

public class Principal {

static Scanner teclado = new Scanner (System.in);

public static void main(String[] args){

**String url = "jdbc:postgresql://200.131.206.13:5432/vitorlemes";**

System.out.print("User: ");

String user = teclado.nextLine();

System.out.print("Senha: ");

String password = teclado.nextLine();

Connection conn = null;

Statement stmt = null;

ResultSet rs = null;

String query = "";

try {

**Class.forName("org.postgresql.Driver");**

} catch (ClassNotFoundException ex) {

Logger.getLogger(Principal.class.getName()).log(Level.SEVERE, null, ex);

}

try{

**conn = DriverManager.getConnection(url, user, password);**

**stmt = conn.createStatement();**

**stmt.execute("SET search\_path TO see");**

int idpes;

while(true){

System.out.print("\nDigite o idpes do arbitro zero: ");

idpes = teclado.nextInt();

**query = "WITH RECURSIVE arbitros (level, idpes, idcoo, nomepes) AS\n" +**

**"(SELECT 0, root.idpes, root.idcoo, nomepes\n" +**

**"FROM arbitro as root NATURAL JOIN pessoa \n" +**

**"WHERE root.idpes = " + idpes + " \n" +**

**" UNION ALL \n" +**

**"SELECT level+1, child.idpes, child.idcoo, pessoa.nomepes\n" +**

**"FROM arbitros as parent, arbitro as child NATURAL JOIN pessoa\n" +**

**"WHERE parent.idpes = child.idcoo AND child.idcoo <> child.idpes)\n" +**

**"\n" +**

**"SELECT DISTINCT level, idpes, idcoo, nomepes\n" +**

**"FROM arbitros\n" +**

**"ORDER BY 1,2,3;";**

**ResultSet resultado = stmt.executeQuery(query);**

System.out.println("'level', 'idpes', 'idcoo', 'nomepes'");

while(resultado.next()){

int level = resultado.getInt("level");

int idpesrs = resultado.getInt("idpes");

int idcoo = resultado.getInt("idcoo");

String nomepes = resultado.getString("nomepes");

System.out.println("'" + level + "', '" + idpes + "', '" + idcoo + "', '" + nomepes + "'");

}

}

}catch(SQLException e){

System.out.println(e.getMessage());

}

}

}