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package bai4;

import java.sql.\*;

/\*\*

\*

\* @author Administrator

\*/

public class Bai4 {

private static final String url ="jdbc:mysql://localhost:3306/quanlysach";

private static final String user="root";

private static final String pass="";

public static void main(String[] args) {

// TODO code application logic here

try(Connection conn = DriverManager.getConnection(url,user,pass))

{

tangGiaSach(conn,"Lap trinh hdt",1.5);

//dat so luong la 0 cho sach "Lap trinh hdt"

datSoLuongSach(conn,"Lap trinh hdt",0);

xoaSach(conn,1001);

themSach(conn,1005,"Toan roi rac","Hoang Cong Trinh",15.55,55);

themSach(conn,1006,"Ly Thuyet do thi","Nguyen Thi Anh Thu",25.55,55);

// hien thi

hienThiThongTin(conn);

}

catch(SQLException e)

{

e.printStackTrace();

}

}

public static void tangGiaSach(Connection conn,String tieude,double gia) throws SQLException

{

String sql = "Update sach SET gia=gia\*? Where tieude=?";

try(PreparedStatement stmt=conn.prepareStatement(sql))

{

stmt.setDouble(1, gia);

stmt.setString(2,tieude);

stmt.executeUpdate();

System.out.println("Đã tăng giá :"+tieude+"lên"+(gia\*100)+"%");

}

}

public static void datSoLuongSach(Connection conn, String tieude,int soLuong)throws SQLException

{

String sql = "Update sach SET soluong=? Where tieude=?";

try(PreparedStatement stmt=conn.prepareStatement(sql))

{

stmt.setInt(1, soLuong);

stmt.setString(2,tieude);

stmt.executeUpdate();

System.out.println("Đã đặt số lượng sách :"+tieude+" thành "+soLuong+".");

}

}

public static void xoaSach(Connection conn, int id) throws SQLException

{

String sql ="Delete From sach Where id =?";

try(PreparedStatement stmt=conn.prepareStatement(sql))

{

stmt.setInt(1, id);

int rowCount=stmt.executeUpdate();

System.out.println("Đã xóa "+rowCount+" sách có id >"+id+".");

}

}

public static void themSach(Connection conn, int id, String tieude,String tacgia,

double gia, int soLuong) throws SQLException

{

String sql ="Insert Into sach(id,tieude,tacgia,gia,soluong)"

+ "Values(?,?,?,?,?)";

try(PreparedStatement stmt=conn.prepareStatement(sql))

{

stmt.setInt(1, id);

stmt.setString(2, tieude);

stmt.setString(3, tacgia);

stmt.setDouble(4, gia);

stmt.setInt(5, soLuong);

stmt.executeUpdate();

System.out.println("Đã thêm sách mới :"+tieude);

}

}

public static void hienThiThongTin(Connection conn)throws SQLException

{

String sql = "Select \* From sach";

try(PreparedStatement stmt = conn.prepareStatement(sql))

{

ResultSet rs = stmt.executeQuery();

System.out.println("+-----+-------------------+------------+------+---------");

System.out.println("|id |tiêu đề | Tác giả | Giá | Số lượng");

System.out.println("+-----+-------------------+------------+------+---------");

while(rs.next())

{

int id = rs.getInt("id");

String tieude=rs.getString("tieude");

String tacgia=rs.getString("tacgia");

double gia = rs.getDouble("gia");

int soluong = rs.getInt("soluong");

System.out.format("|%-4d|%-34s|%-24s|%-6.2f|%-4d|%n",id,tieude,tacgia,gia,soluong);

}

System.out.println("+-----+-------------------+------------+------+---------");

}

}

}