**Day 4 Classwork:**

Unique Id: E0119023

**Program:**

package stv.stv;

import java.sql.\*;

/\*\*

\* Hello world!

\*

\*/

import java.sql.\*;

public class App

{

public static void main( String[] args )

{

addProduct(1, "hello", 3);

addProduct(10, "stv", 30);

addProduct(11, "abcd", 31);

addProduct(9, "asd", 29);

delProduct(1);

delProduct(9);

display();

changeName(10, "scale");

display();

changePrice(10, 20);

display();

}

public static void addProduct(int id, String name, int price) {

try {

Connection con = null;

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

con = DriverManager.getConnection("jdbc:mysql://localhost/stv?useUnicode=true&useJDBCCompliantTimezoneShift=true&useLegacyDatetimeCode=false&serverTimezone=UTC","root", "");

try {

java.sql.Statement stmt=con.createStatement();

int a=stmt.executeUpdate("insert into products values('"+id+"','"+name+"','"+price+"');");

} catch (Exception e) {

// TODO: handle exception

}

finally {

con.close();

}

} catch (Exception e) {

// TODO: handle exception

}

}

public static void delProduct(int id) {

try {

Connection con = null;

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

con = DriverManager.getConnection("jdbc:mysql://localhost/stv?useUnicode=true&useJDBCCompliantTimezoneShift=true&useLegacyDatetimeCode=false&serverTimezone=UTC","root", "");

try {

java.sql.Statement stmt=con.createStatement();

int a=stmt.executeUpdate("delete from products where id='"+id+"';");

if(a==0)

System.out.print("No rows deleted");

} catch (Exception e) {

// TODO: handle exception

}

finally {

con.close();

}

} catch (Exception e) {

// TODO: handle exception

}

}

public static void changeName(int id, String newName) {

try {

Connection con = null;

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

con = DriverManager.getConnection("jdbc:mysql://localhost/stv?useUnicode=true&useJDBCCompliantTimezoneShift=true&useLegacyDatetimeCode=false&serverTimezone=UTC","root", "");

try {

java.sql.Statement stmt=con.createStatement();

int a=stmt.executeUpdate("update products set name='"+newName+"' where id='"+id+"';");

if(a==0)

System.out.print("No product is updated");

else {

System.out.print("The product name is updated");

}

} catch (Exception e) {

// TODO: handle exception

}

finally {

con.close();

}

} catch (Exception e) {

// TODO: handle exception

}

}

public static void changePrice(int id, int newPrice) {

try {

Connection con = null;

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

con = DriverManager.getConnection("jdbc:mysql://localhost/stv?useUnicode=true&useJDBCCompliantTimezoneShift=true&useLegacyDatetimeCode=false&serverTimezone=UTC","root", "");

try {

java.sql.Statement stmt=con.createStatement();

int a=stmt.executeUpdate("update products set price='"+newPrice+"' where id='"+id+"';");

if(a==0)

System.out.print("No product is updated");

else {

System.out.print("The product price is updated");

}

} catch (Exception e) {

// TODO: handle exception

}

finally {

con.close();

}

} catch (Exception e) {

// TODO: handle exception

}

}

public static void display()

{

try {

Connection con = null;

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

con = DriverManager.getConnection("jdbc:mysql://localhost/stv?useUnicode=true&useJDBCCompliantTimezoneShift=true&useLegacyDatetimeCode=false&serverTimezone=UTC","root", "");

try {

java.sql.Statement stmt=con.createStatement();

ResultSet rs=stmt.executeQuery("select \* from products");

while(rs.next())

{

System.out.println(rs.getInt(1)+" "+rs.getString(2)+" "+rs.getInt(3));

}

} catch (Exception e) {

// TODO: handle exception

}

finally {

con.close();

}

} catch (Exception e) {

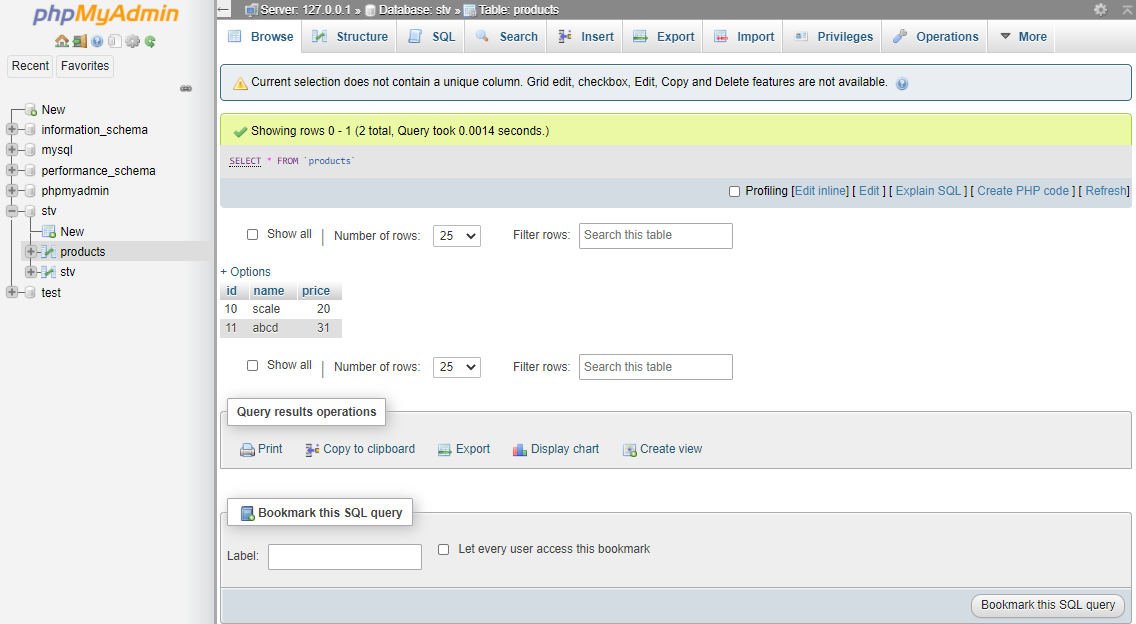
// TODO: handle exception

}

}

}

**Output:**

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