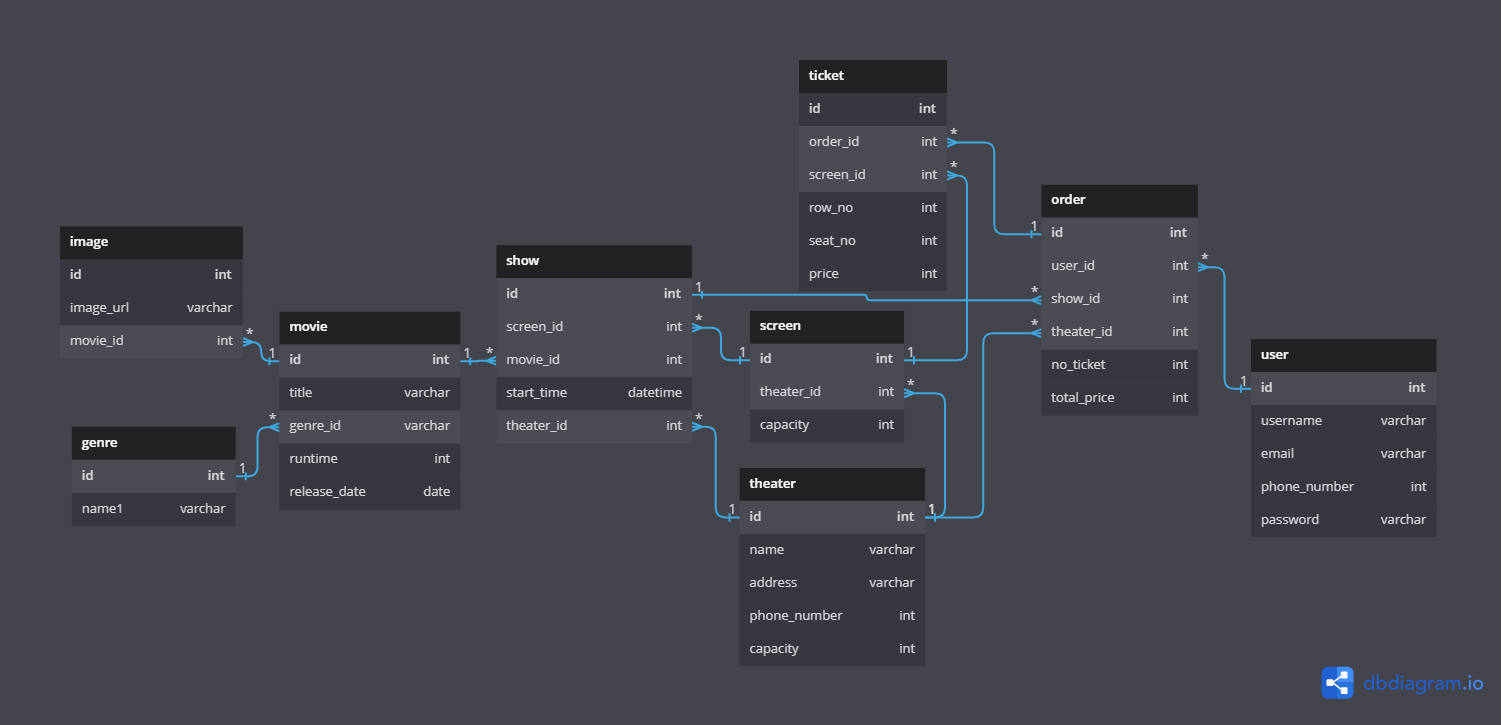
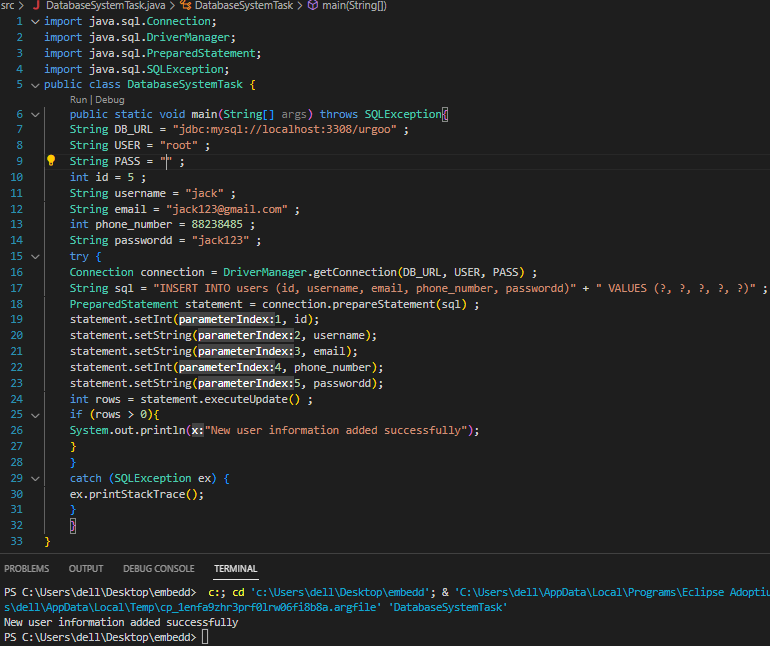
Лабораторын ажил – 8

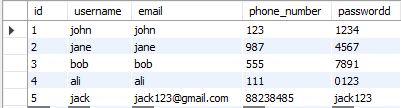
Embedded SQL – тай ажиллах

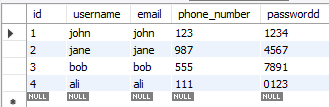
1. Сонгон авсан database [www.Urgoo.mn](http://www.Urgoo.mn)

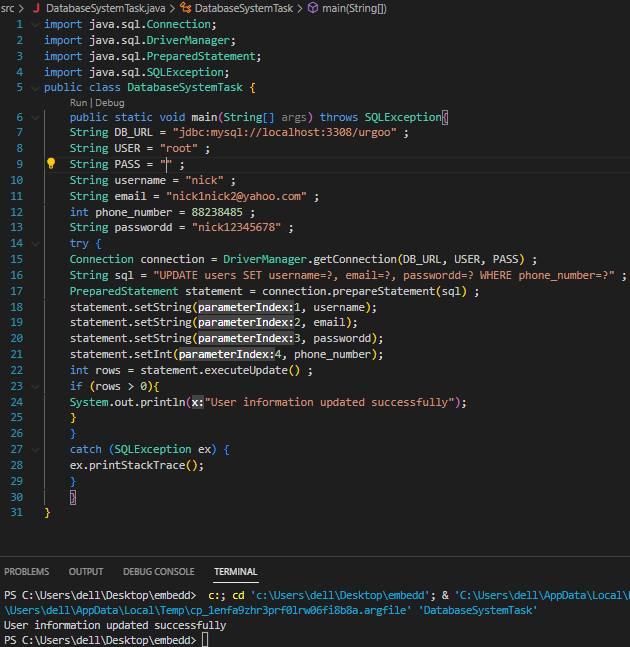


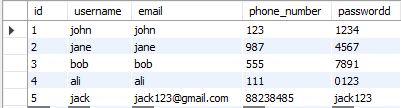
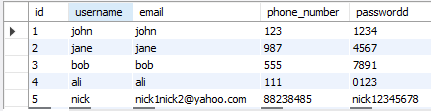
1. Insert Query :



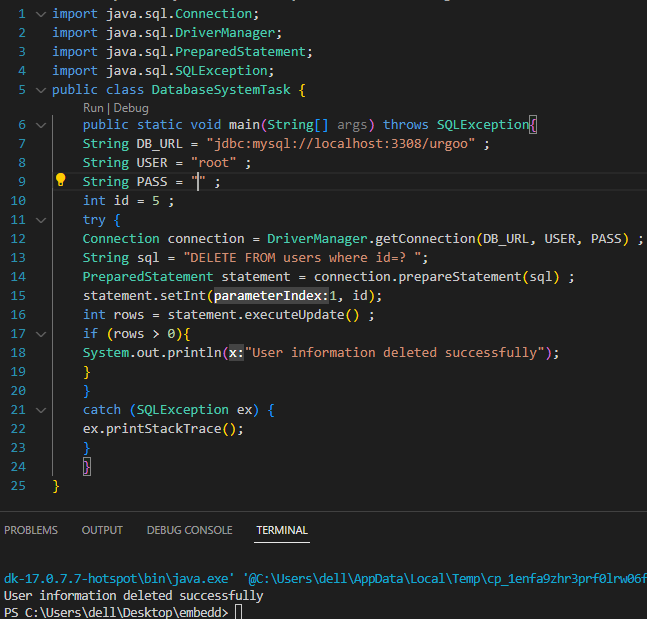
Ажиллахын өмнө : Ажилласны дараа :

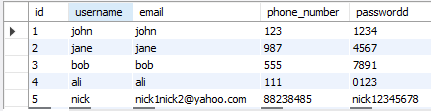
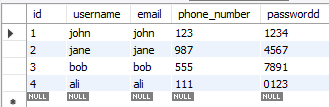
1. Update Query :



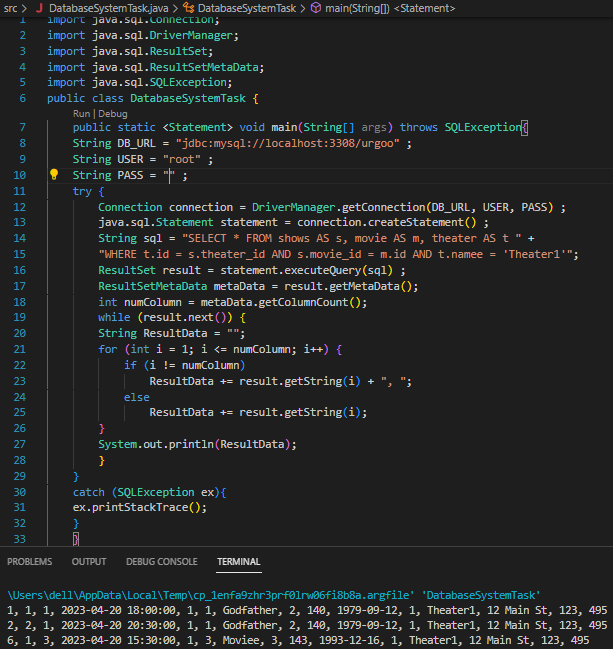
Ажиллахын өмнө : Ажилласны дараа :

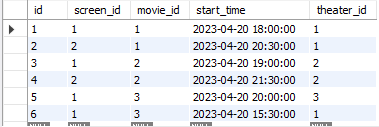
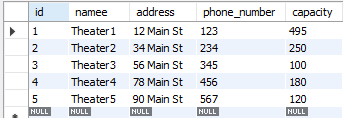
1. Delete Query :



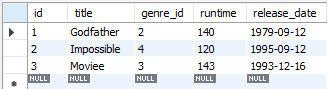
Ажиллахын өмнө : Ажилласны дараа :

1. Select Query :

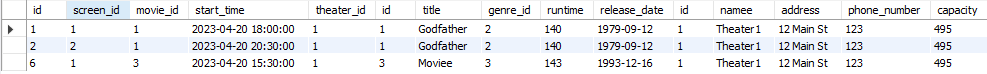


 Shows хүснэгт: Theater хүснэгт:

Movie хүснэгт:



Үр дүн:



SELECT \* FROM shows AS s, movie AS m, theater AS t

WHERE t.id = s.theater\_id AND s.movie\_id = m.id AND t.namee = "Theater1";

Энэхүү Select query нь Theater1 гэсэн нэртэй кино театрын үзвэрийн мэдээлэл болон киноны мэдээллийг харуулсан.

Хавсралт:

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.ResultSet;

import java.sql.ResultSetMetaData;

import java.sql.SQLException;

public class DatabaseSystemTask { //SELECT

    public static <Statement> void main(String[] args) throws SQLException{

    String DB\_URL = "jdbc:mysql://localhost:3308/urgoo" ;

    String USER = "root" ;

    String PASS = "" ;

    try {

        Connection connection = DriverManager.getConnection(DB\_URL, USER, PASS) ;

        java.sql.Statement statement = connection.createStatement() ;

        String sql = "SELECT \* FROM shows AS s, movie AS m, theater AS t " +

        "WHERE t.id = s.theater\_id AND s.movie\_id = m.id AND t.namee = 'Theater1'";

        ResultSet result = statement.executeQuery(sql) ;

        ResultSetMetaData metaData = result.getMetaData();

        int numColumn = metaData.getColumnCount();

        while (result.next()) {

        String ResultData = "";

        for (int i = 1; i <= numColumn; i++) {

            if (i != numColumn)

                ResultData += result.getString(i) + ", ";

            else

                ResultData += result.getString(i);

        }

        System.out.println(ResultData);

        }

    }

    catch (SQLException ex){

    ex.printStackTrace();

    }

    }

}

public class DatabaseSystemTask { //INSERT

public static void main(String[] args) throws SQLException{

String DB\_URL = "jdbc:mysql://localhost:3308/urgoo" ;

String USER = "root" ;

String PASS = "” ;

int id = 5 ;

String username = "jack" ;

String email = "jack123@gmail.com" ;

int phone\_number = 88238485 ;

String passwordd = "jack123" ;

try {

Connection connection = DriverManager.getConnection(DB\_URL, USER, PASS) ;

String sql = "INSERT INTO users (id, username, email, phone\_number, passwordd)" + " VALUES (?, ?, ?, ?, ?)" ;

PreparedStatement statement = connection.prepareStatement(sql) ;

statement.setInt(1, id);

statement.setString(2, username);

statement.setString(3, email);

statement.setInt(4, phone\_number);

statement.setString(5, passwordd);

int rows = statement.executeUpdate() ;

if (rows > 0){

System.out.println("New user information added successfully");

}

}

catch (SQLException ex) {

ex.printStackTrace();

}

}

}

public class DatabaseSystemTask { //DELETE

public static void main(String[] args) throws SQLException{

String DB\_URL = "jdbc:mysql://localhost:3308/urgoo" ;

String USER = "root" ;

String PASS = "" ;

int id = 5 ;

try {

Connection connection = DriverManager.getConnection(DB\_URL, USER, PASS) ;

String sql = "DELETE FROM users where id=? ";

PreparedStatement statement = connection.prepareStatement(sql) ;

statement.setInt(1, id);

int rows = statement.executeUpdate() ;

if (rows > 0){

System.out.println("User information deleted successfully");

}

}

catch (SQLException ex) {

ex.printStackTrace();

}

}

}

public class DatabaseSystemTask { //UPDATE

public static void main(String[] args) throws SQLException{

String DB\_URL = "jdbc:mysql://localhost:3308/urgoo" ;

String USER = "root" ;

String PASS = "" ;

String username = "nick" ;

String email = "nick1nick2@yahoo.com" ;

int phone\_number = 88238485 ;

String passwordd = "nick12345678" ;

try {

Connection connection = DriverManager.getConnection(DB\_URL, USER, PASS) ;

String sql = "UPDATE users SET username=?, email=?, passwordd=? WHERE phone\_number=?" ;

PreparedStatement statement = connection.prepareStatement(sql) ;

statement.setString(1, username);

statement.setString(2, email);

statement.setString(3, passwordd);

statement.setInt(4, phone\_number);

int rows = statement.executeUpdate() ;

if (rows > 0){

System.out.println("User information updated successfully");

}

}

catch (SQLException ex) {

ex.printStackTrace();

}

}

}