import java.util.\*;

import java.sql.\*;

class Main

{

public static void main(String[]args)

{

String DC="com.mysql.jdbc.Driver",URL="jdbc:mysql://localhost/ri\_db",UN="test",PW="test123";

Connection CN=null;Statement S=null;PreparedStatement PS=null;

ResultSet RS=null;String sql="";

Scanner cat=new Scanner(System.in);

int a=Integer.parseInt(cat.nextLine());

try

{

switch (a)

{

case 1:

Class.forName(DC);

CN=DriverManager.getConnection(URL,UN,PW);

sql="insert into customer values (?,?,?,?,?)";

PS=CN.prepareStatement(sql);

PS.setInt(1,Integer.parseInt(cat.nextLine()));

PS.setString(2,cat.nextLine());

PS.setString(3,cat.nextLine());

PS.setString(4,cat.nextLine());

PS.setString(5,cat.nextLine());

PS.execute();

sql="select \* from customer";

S=CN.createStatement();

RS=S.executeQuery(sql);

System.out.println("Customer record inserted successfully.");

while(RS.next())

System.out.format("ID: %s, Name: %s, Contact Information: %s, Subscription Plan: %s, Payment History: %s\n",RS.getInt(1),RS.getString(2),RS.getString(3),RS.getString(4),RS.getString(5));

break;

case 2:

Class.forName(DC);

CN=DriverManager.getConnection(URL,UN,PW);

int bb=Integer.parseInt(cat.nextLine());

sql="update customer set name=?,contact\_information=?,subscription\_plan=?,payment\_history=? where customer\_id=?";

PS=CN.prepareStatement(sql);

PS.setInt(5,bb);

PS.setString(1,cat.nextLine());

PS.setString(2,cat.nextLine());

PS.setString(3,cat.nextLine());

PS.setString(4,cat.nextLine());

PS.execute();

sql="select \* from customer";

S=CN.createStatement();

RS=S.executeQuery(sql);

System.out.println("Customer record updated successfully.");

while(RS.next())

System.out.format("ID: %s, Name: %s, Contact Information: %s, Subscription Plan: %s, Payment History: %s\n",RS.getInt(1),RS.getString(2),RS.getString(3),RS.getString(4),RS.getString(5));

break;

case 3:

Class.forName(DC);

CN=DriverManager.getConnection(URL,UN,PW);

sql="select \* from customer";

S=CN.createStatement();

RS=S.executeQuery(sql);

while(RS.next())

System.out.format("ID: %s, Name: %s, Contact Information: %s, Subscription Plan: %s, Payment History: %s\n",RS.getInt(1),RS.getString(2),RS.getString(3),RS.getString(4),RS.getString(5));

break;

default:

System.out.println("Invalid operation number. Please try again.");

break;

}

}

catch(Exception e)

{

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

}

finally

{

try

{

if(CN!=null)

CN.close();

}

catch(Exception e){}

}

}

}

