

1.The following queries are executed in MySql:

```

1 • create database cp;
2 • use cp;
3 • create table products(pno int primary key,pname varchar(20),stock int,price float,mrp int,dp float);
4 • create table customer(cno int primary key,cname varchar(20),pin int);
5 • create table orders(ono int primary key,cno int,pno int,pname varchar(20),qty int,price float,mrp float,tot float);
6 • insert into products values(1,'pencil',100,4,5,20),(2,'pen',50,6,10,40),(3,'toy bat',25,150,300,50);
7 • insert into customer values(1001,'one',12341),(1002,'two',12342);
8 • insert into orders values(1,1001,1,'pencil',10,4,5,40),(2,1002,1,'pencil',10,4,5,40),(3,1001,3,'toy bat',2,150,300,300),
9 • (4,1001,2,'pen',10,6,10,60);
10

```

2.The tables products, customer and orders:

```
9 • select * from products;
```

Result Grid		Filter Rows:				
	pno	pname	stock	price	mrp	dp
▶	1	pencil	100	4	5	20
	2	pen	50	6	10	40
	3	toy bat	25	150	300	50
✱	NULL	NULL	NULL	NULL	NULL	NULL

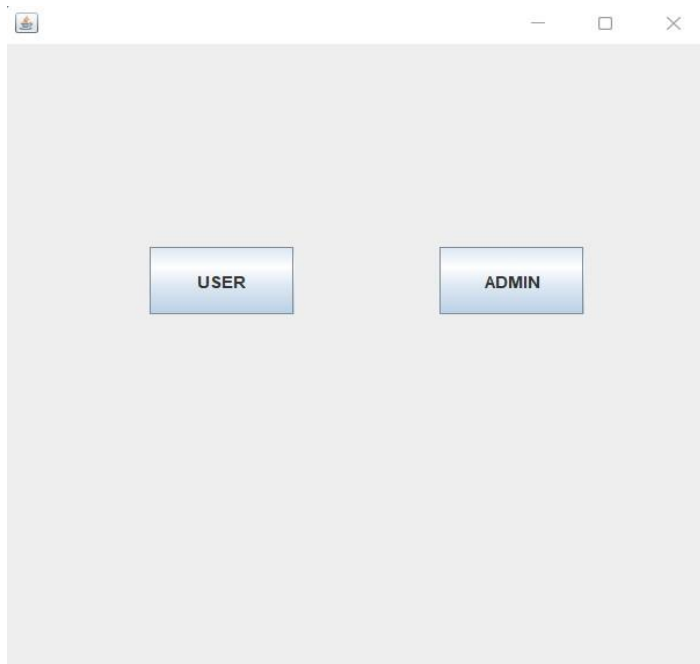
```
10 • select * from customer;
```

	cno	cname	pin
▶	1001	one	12341
	1002	two	12342
•	NULL	NULL	NULL

```
11 • select * from orders;
```

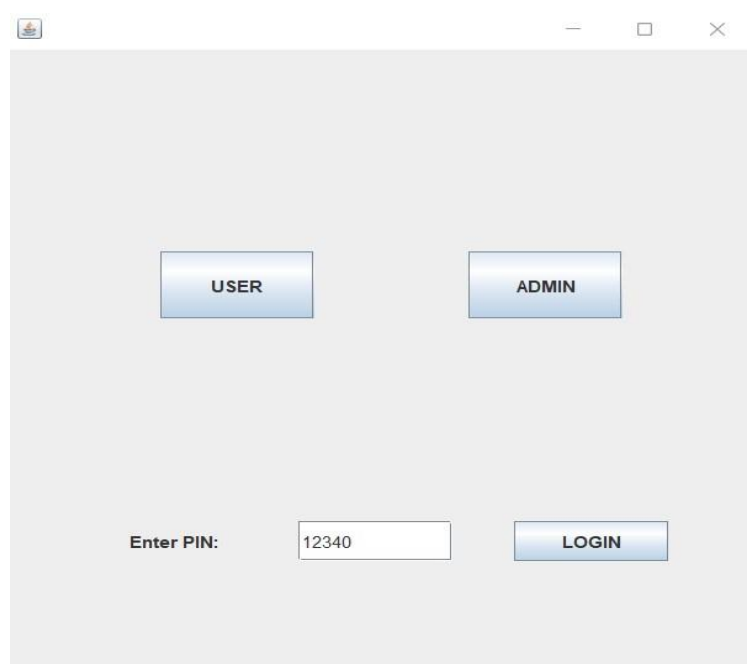
[illegible]

3. The home page of the user interface:



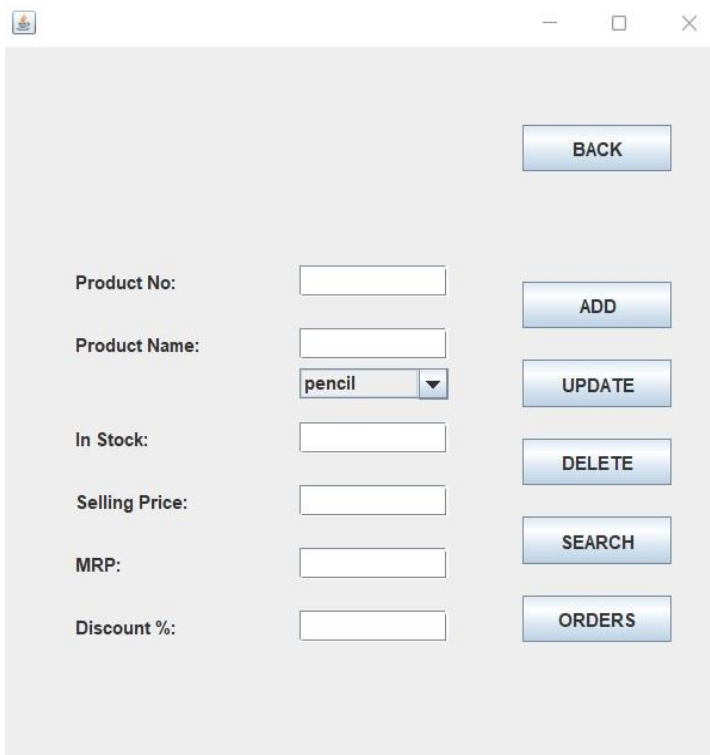
A screenshot of a web application window. At the top, there are standard window controls (minimize, maximize, close). Below them, the page has a light gray background. In the center, there are two blue rectangular buttons with white text. The left button is labeled 'USER' and the right button is labeled 'ADMIN'.

4. When admin is selected the admin pin is entered:



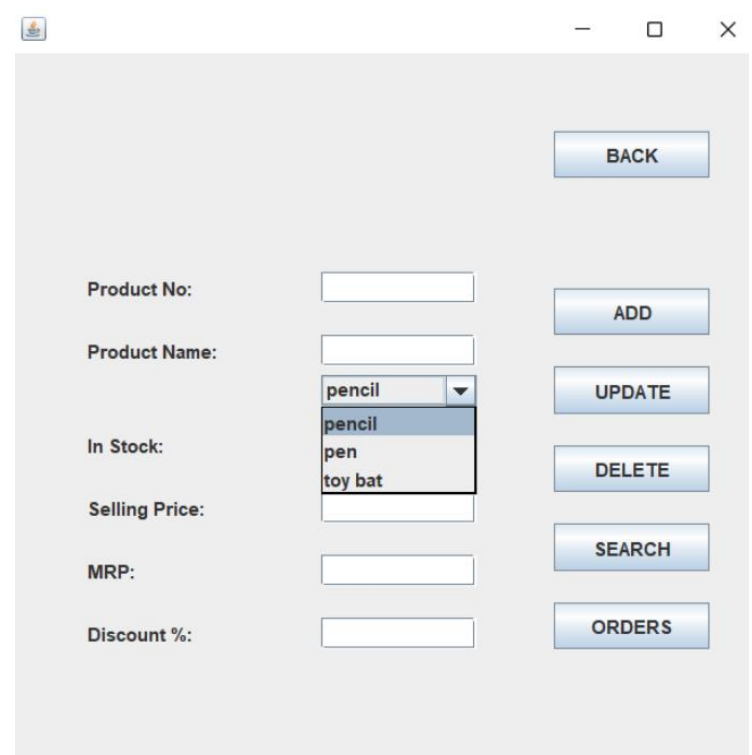
A screenshot of the same web application window after the 'ADMIN' button was clicked. The 'ADMIN' button is now highlighted. Below it, there is a label 'Enter PIN:' followed by a text input field containing the number '12340'. To the right of the input field is a blue button labeled 'LOGIN'.

3. The admin page of the user interface:



A screenshot of the admin page. At the top right is a blue 'BACK' button. Below it, there are several input fields and buttons. On the left, there are labels for 'Product No:', 'Product Name:', 'In Stock:', 'Selling Price:', 'MRP:', and 'Discount %:'. Each label is followed by a text input field. To the right of these input fields are five blue buttons: 'ADD', 'UPDATE', 'DELETE', 'SEARCH', and 'ORDERS'.

4. When drop down list is selected the products already added can be selected:



A screenshot of the admin page with the 'Product Name' dropdown list open. The dropdown menu shows three options: 'pencil', 'pen', and 'toy bat'. The 'pencil' option is currently selected. The rest of the page layout is the same as the previous screenshot.

5. The product pen is selected:

—

□

×

BACK

Product No:

2

ADD

Product Name:

pen

pen ▼

UPDATE

In Stock:

50

DELETE

Selling Price:

6.0

SEARCH

MRP:

10.0

ORDERS

Discount %:

40.0

6. The details of the product can be updated by pressing

The update button:

—

□

×

BACK

Product No:

2

ADD

Product Name:

pen

pen ▼

UPDATE

In Stock:

60

DELETE

Selling Price:

8

SEARCH

MRP:

10.0

ORDERS

Discount %:

20

7. A new product ball is added using the add button:

—

□

×

BACK

Product No:

4

ADD

Product Name:

ball

pen ▼

UPDATE

In Stock:

30

DELETE

Selling Price:

45

SEARCH

MRP:

45

ORDERS

Discount %:

0

8. The list after adding the product ball:

—

□

×

BACK

Product No:

ADD

Product Name:

pen ▼

UPDATE

In Stock:

DELETE

Selling Price:

SEARCH

MRP:

ORDERS

Discount %:

pen

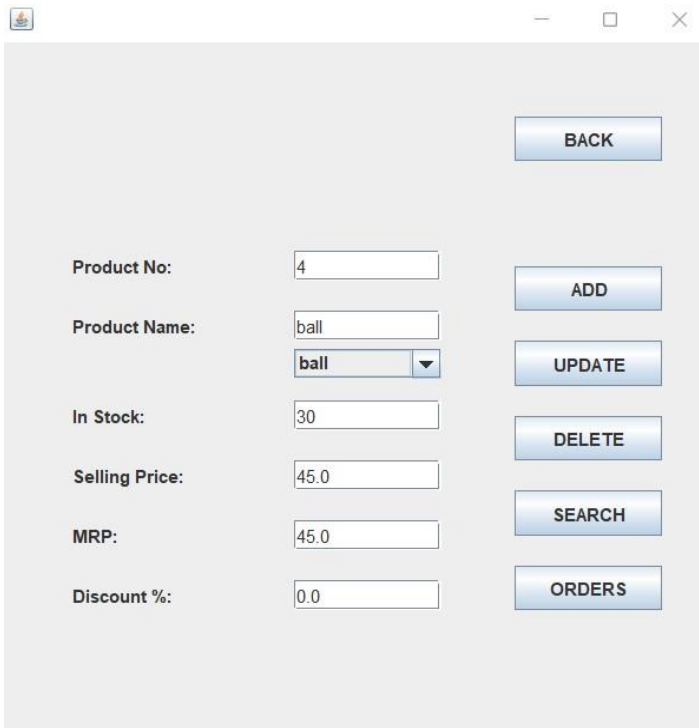
pencil

pen

toy bat

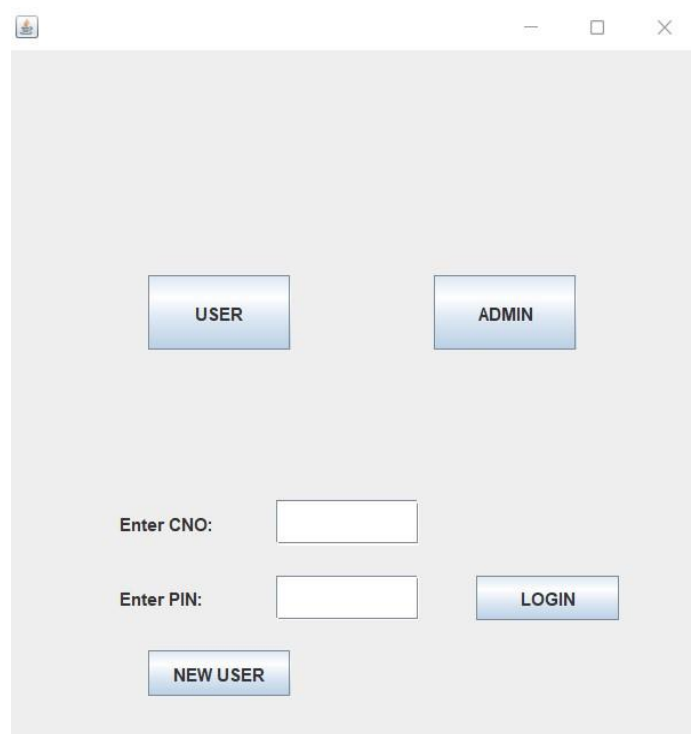
ball

9. The product ball is then deleted using the delete button:



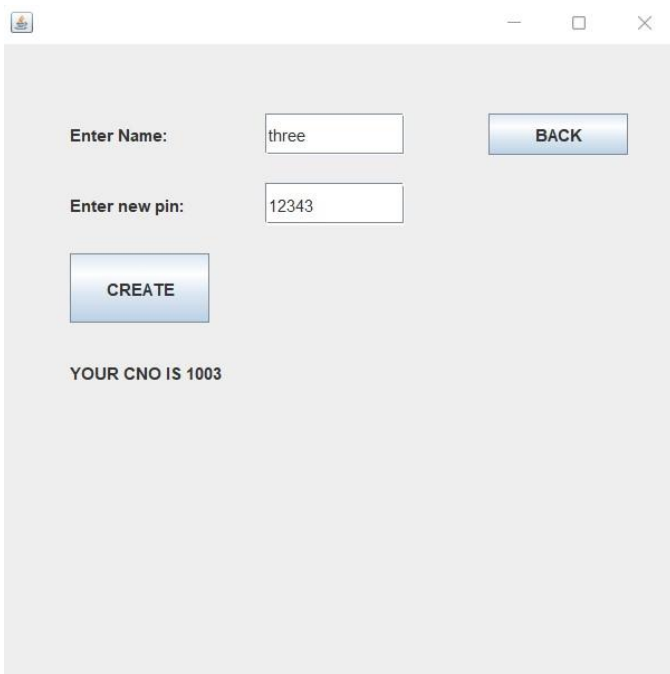
A screenshot of a product management window. At the top right is a 'BACK' button. On the left, there are labels for 'Product No:', 'Product Name:', 'In Stock:', 'Selling Price:', 'MRP:', and 'Discount %:'. Each label is followed by a text input field. The 'Product No.' field contains '4'. The 'Product Name' field contains 'ball' and has a dropdown menu showing 'ball'. To the right of these fields are buttons for 'ADD', 'UPDATE', 'DELETE', 'SEARCH', and 'ORDERS'. The 'DELETE' button is highlighted.

10. The back button is used to return to the home page:



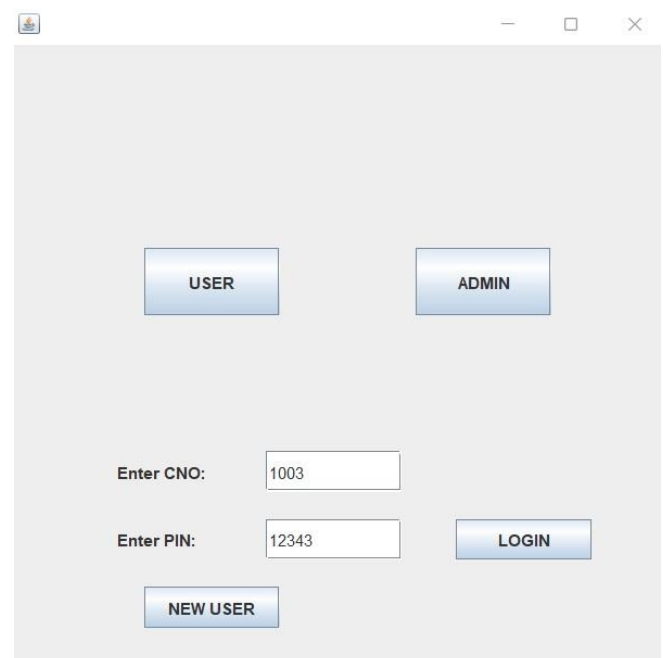
A screenshot of a home page window. At the top are two buttons: 'USER' and 'ADMIN'. Below them are input fields for 'Enter CNO:' and 'Enter PIN:', followed by a 'LOGIN' button. At the bottom is a 'NEW USER' button. The 'BACK' button from the previous screen is not visible in this screenshot.

11. After entering new user a new customer detail
Is added and a new CNO is generated:



A screenshot of a new user creation window. It has input fields for 'Enter Name:' (containing 'three') and 'Enter new pin:' (containing '12343'). There is a 'BACK' button at the top right and a 'CREATE' button at the bottom left. Below the 'CREATE' button, the text 'YOUR CNO IS 1003' is displayed.

12. Login using the new customer credentials:



A screenshot of the login window. The 'Enter CNO:' field contains '1003' and the 'Enter PIN:' field contains '12343'. The 'LOGIN' button is highlighted. The 'USER' and 'ADMIN' buttons are at the top, and the 'NEW USER' button is at the bottom.

13. The user interface home page:

CNO: 1003

Select Item:

Select Qty:

Unit Price:

MRP:

Discount%:

In Stock:

Total Price:

14. A new order is placed using order button:

CNO: 1003

Select Item:

Select Qty:

Unit Price: 8.0

MRP: 10.0

Discount%: 20.0

In Stock: 60

Total Price: 80.0

15. The fields become blank if order is successful the remaining quantities of orders are automatically updated

CNO: 1003

Select Item:

Select Qty:

Unit Price:

MRP:

Discount%:

In Stock:

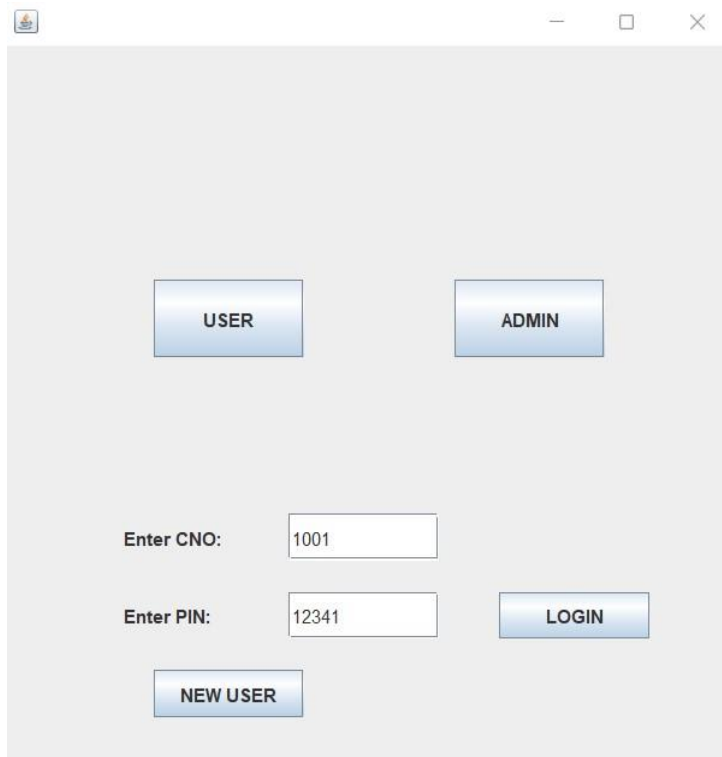
Total Price:

16. The view orders button is used to view the orders placed by the user:

TOTAL SALE: RS.80.0

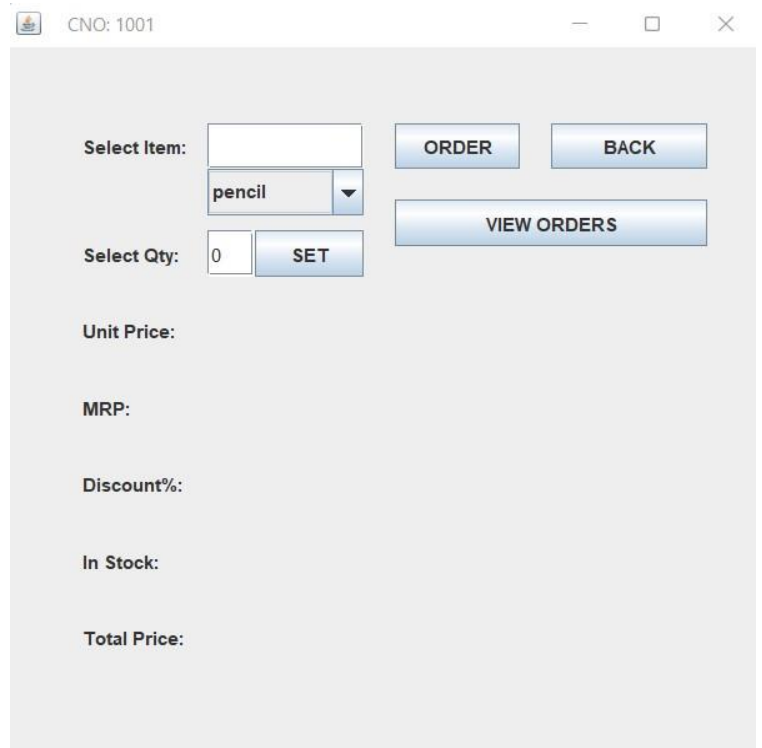
ORDER NO	CNO	PNO	PNAME	QTY	PRICE	MRP	TOT
1	1003	2	pen	10	8.0	10.0	80.0

17. Login using existing customer login:



A login window with a light gray background. At the top, there are two buttons: "USER" and "ADMIN". Below them, there are two input fields: "Enter CNO:" with the value "1001" and "Enter PIN:" with the value "12341". To the right of the PIN field is a "LOGIN" button. At the bottom left, there is a "NEW USER" button.

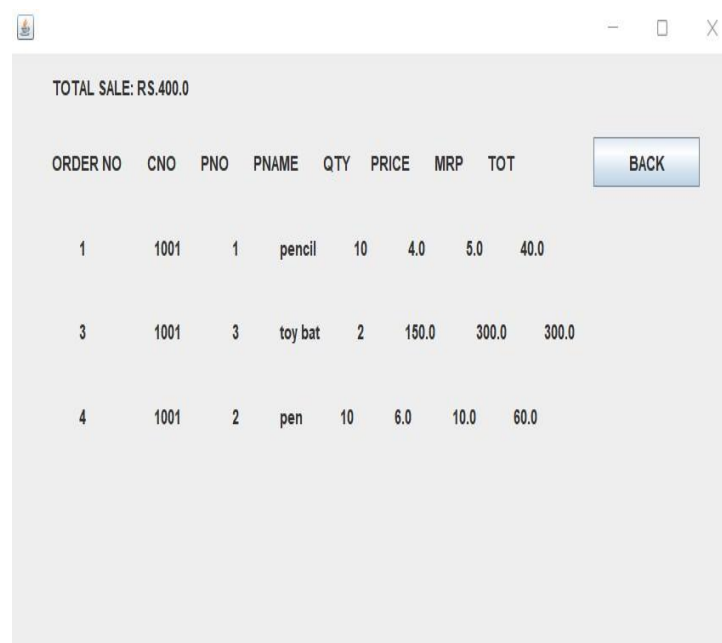
18. The order window of existing customer, the title of the window is set to the CNO of the customer:



An order window titled "CNO: 1001". It contains the following fields and buttons:

- "Select Item:" with a dropdown menu showing "pencil".
- "Select Qty:" with a text input showing "0" and a "SET" button.
- "Unit Price:"
- "MRP:"
- "Discount%:"
- "In Stock:"
- "Total Price:"
- Buttons: "ORDER", "BACK", and "VIEW ORDERS".

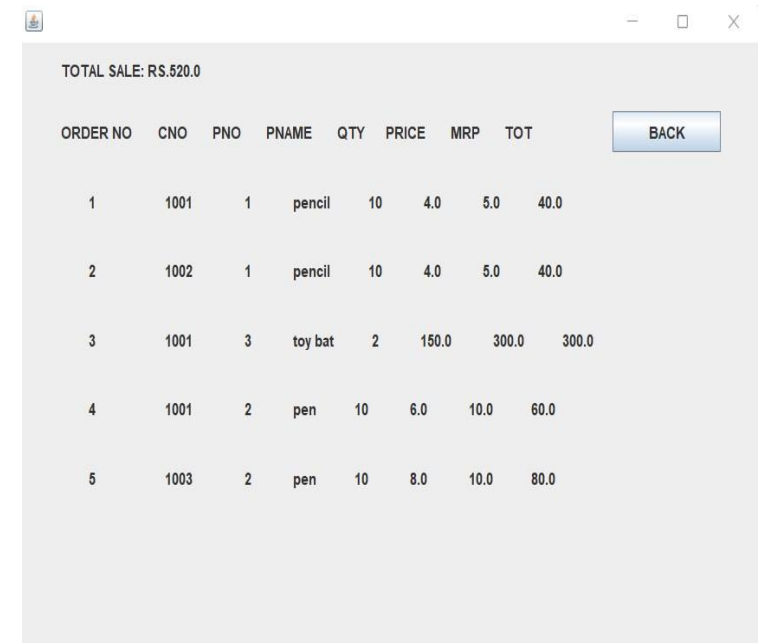
19. The order of the customer with CNO 1001:



Order details window titled "TOTAL SALE: RS.400.0". It displays a table of orders for customer CNO 1001. A "BACK" button is located at the top right.

ORDER NO	CNO	PNO	PNAME	QTY	PRICE	MRP	TOT
1	1001	1	pencil	10	4.0	5.0	40.0
3	1001	3	toy bat	2	150.0	300.0	300.0
4	1001	2	pen	10	6.0	10.0	60.0

20. All the orders placed can be viewed using the view Orders button:



View all orders window titled "TOTAL SALE: RS.520.0". It displays a table of all orders. A "BACK" button is located at the top right.

ORDER NO	CNO	PNO	PNAME	QTY	PRICE	MRP	TOT
1	1001	1	pencil	10	4.0	5.0	40.0
2	1002	1	pencil	10	4.0	5.0	40.0
3	1001	3	toy bat	2	150.0	300.0	300.0
4	1001	2	pen	10	6.0	10.0	60.0
5	1003	2	pen	10	8.0	10.0	80.0

21.The tables after the above processes:

10 • `select * from products;`

	pno	pname	stock	price	mrp	dp
▶	1	pencil	100	4	5	20
	2	pen	50	6	10	40
	3	toy bat	25	150	300	50
*	NULL	NULL	NULL	NULL	NULL	NULL

10 • `select * from products;`

	pno	pname	stock	price	mrp	dp
▶	1	pencil	100	4	5	20
	2	pen	50	8	10	20
	3	toy bat	25	150	300	50
*	NULL	NULL	NULL	NULL	NULL	NULL

10 • `select * from orders;`

	ono	cno	pno	pname	qty	price	mrp	tot
▶	1	1001	1	pencil	10	4	5	40
	2	1002	1	pencil	10	4	5	40
	3	1001	3	toy bat	2	150	300	300
	4	1001	2	pen	10	6	10	60
	5	1003	2	pen	10	8	10	80
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

Code:

Class one for home page:

```
import java.io.*;
import java.util.*;
import java.sql.*;
import java.awt.*;
import java.awt.event.*;
import javax.swing.*;

public class one implements ActionListener
{
    int x=0;

    connect o=new connect();

    JFrame f1=new JFrame();

    JLabel l1=new JLabel("Enter PIN:");

    JTextField t1=new JTextField();

    JLabel l2=new JLabel("Enter CNO:");
```

```

JTextField t2=new JTextField();

JButton b1=new JButton("USER");

JButton b2=new JButton("ADMIN");

JButton b3=new JButton("LOGIN");

JButton b4=new JButton("NEW USER");

one()
{
    b1.setBounds(100,150,100,50);
    b2.setBounds(300,150,100,50);
    l1.setBounds(80,350,100,30);
    t1.setBounds(190,350,100,30);
    l2.setBounds(80,300,100,30);
    t2.setBounds(190,300,100,30);
    b3.setBounds(330,350,100,30);
    b4.setBounds(100,400,100,30);
    f1.setSize(500,500);
    f1.setLayout(null);
    f1.add(b1); f1.add(b2);
    f1.add(l2); f1.add(t2); f1.add(b3); f1.add(b4);
    f1.add(l1); f1.add(t1);
    l2.setVisible(false); t2.setVisible(false);
    l1.setVisible(false); t1.setVisible(false);
    b3.setVisible(false); b4.setVisible(false);
    b1.addActionListener(this); b2.addActionListener(this);
    b3.addActionListener(this); b4.addActionListener(this);
    f1.setVisible(true);
}

public void actionPerformed(ActionEvent e)
{
    if(e.getSource()==b1)
    {
        l2.setVisible(true); t2.setVisible(true);
        l1.setVisible(true); t1.setVisible(true);
    }
}

```



```

        b3.setVisible(true); b4.setVisible(true); x=1;
    }
    if(e.getSource()==b4)
    {
        f1.setVisible(false);
        new usercreate();
    }
    if(e.getSource()==b2)
    {
        l2.setVisible(false); t2.setVisible(false);
        l1.setVisible(true); t1.setVisible(true);
        b3.setVisible(true); b4.setVisible(false); x=2;
    }
    if(e.getSource()==b3)
    {
        if(x==2)
        {
            if(t1.getText().equals("12340"))
            {
                t1.setText("Correct");
                l1.setVisible(false); t1.setVisible(false); b3.setVisible(false);
                f1.setVisible(false);
                new admin();
            }
            else
            {
                t1.setText("Wrong");
            }
        }
        if(x==1)
        {
            ResultSet rs=o.execute2("select pin from customer where cno="+t2.getText());
            String s="";
            try
            {

```

```

while(rs.next())
    s=Integer.toString(rs.getInt("pin"));
}catch(Exception x){ System.out.println(e);}
if(t1.getText().equals(s))
{
    f1.setVisible(false);
    new user(Integer.parseInt(t2.getText()));
}
else
    t1.setText("Wrong");
}
}
}
public static void main(String args[])
{
    one obj=new one();

}
}

```

Queries executed in the class:

Select pin from customer where cno='entered cno';

Class connect to connect to database and execute queries:

```

import java.io.*;
import java.util.*;
import java.sql.*;
public class connect
{
    Connection con;
    Statement stmt;
    connect()
    {
        try
        {

```

```

Class.forName("com.mysql.jdbc.Driver");
con=DriverManager.getConnection("jdbc:mysql://localhost:3306/cp","root","MyNewPass4#");
stmt=con.createStatement();
}
catch(Exception e){ System.out.println(e);}
}
public void execute(String s)
{
    try
    {
        stmt.executeUpdate(s);
    }
    catch(Exception e){ System.out.println(e);}
}
public ResultSet execute2(String s)
{
    ResultSet rs=null;
    try
    {
        rs=stmt.executeQuery(s);
    }
    catch(Exception e){ System.out.println(e);}
    return rs;
}
}

```

Queries executed in the class:

Select pin from customer where cno=entered cno in user login;

Class admin for admin page:

```

import java.io.*;
import java.awt.*;
import java.awt.event.*;

```

```

import java.sql.*;
import javax.swing.*;

public class admin extends JFrame implements ActionListener
{
    int i=0;

    connect o=new connect();

    JTextField t2=new JTextField();
    JTextField t3=new JTextField();
    JTextField t4=new JTextField();
    JTextField t5=new JTextField();
    JTextField t6=new JTextField();
    JTextField t7=new JTextField();

    JLabel l2=new JLabel("Product No:");
    JLabel l3=new JLabel("Product Name:");
    JLabel l4=new JLabel("In Stock:");
    JLabel l5=new JLabel("Selling Price:");
    JLabel l6=new JLabel("MRP:");
    JLabel l7=new JLabel("Discount %:");

    JButton b1=new JButton("ADD");
    JButton b3=new JButton("UPDATE");
    JButton b4=new JButton("DELETE");
    JButton b5=new JButton("SEARCH");
    JButton b7=new JButton("BACK");
    JButton b8=new JButton("ORDERS");

    JComboBox c1= new JComboBox();

    admin()
    {
        l2.setBounds(50,140,100,20);
        l3.setBounds(50,180,100,20);
        l4.setBounds(50,240,100,20);
        l5.setBounds(50,280,100,20);
        l6.setBounds(50,320,100,20);
        l7.setBounds(50,360,100,20);
    }
}

```

```

t2.setBounds(200,140,100,20);
t3.setBounds(200,180,100,20);
t4.setBounds(200,240,100,20);
t5.setBounds(200,280,100,20);
t6.setBounds(200,320,100,20);
t7.setBounds(200,360,100,20);
b1.setBounds(350,150,100,30);
b3.setBounds(350,200,100,30);
b4.setBounds(350,250,100,30);
b5.setBounds(350,300,100,30);
b7.setBounds(350,50,100,30);
b8.setBounds(350,350,100,30);
c1.setBounds(200,205,100,20);
add(l2);add(l3);add(t2);add(t3);add(b1);add(b1); add(c1); add(b5); add(b8);
add(l4);add(l5);add(l6);add(l7);add(t4);add(t5);add(t6);add(t7); add(b3);add(b4); add(b7);
b1.addActionListener(this); b3.addActionListener(this); b4.addActionListener(this); b5.addActionListener(this);
b7.addActionListener(this); b8.addActionListener(this);
setLayout(null);
setSize(500,500);
setVisible(true);

ResultSet rs=o.execute2("select pname from products");

try
{
    while(rs.next())
        c1.addItem(rs.getString("pname"));
}catch(Exception e){ System.out.println(e);}
c1.addActionListener(new ActionListener() {
public void actionPerformed(ActionEvent e) {
t3.setText((String)((JComboBox)e.getSource()).getSelectedItem());
    });
}

void listmake()

```

```

{

}

public void actionPerformed(ActionEvent e)
{
    if(e.getSource()==b5)
    {
        ResultSet rs=o.execute2("select * from products where pname='"+t3.getText()+"'");
        try
        {
            while(rs.next())
            {
                t2.setText(Integer.toString(rs.getInt("pno")));
                t4.setText(Integer.toString(rs.getInt("stock")));
                t5.setText(Float.toString(rs.getInt("price")));
                t6.setText(Float.toString(rs.getInt("mrp")));
                t7.setText(Float.toString(rs.getInt("dp")));
            }
        }catch(Exception x){ System.out.println(e);}
    }
    if(e.getSource()==b1)
    {
        String k="";
        k=t2.getText()+"','"+t3.getText()+"','"+t4.getText()+"','"+t5.getText()+"','"+t6.getText()+"','"+t7.getText();
        k="insert into products values("+k+ ")";
        o.execute(k);
        c1.addItem(t3.getText());
        t2.setText(""); t3.setText(""); t4.setText(""); t5.setText(""); t7.setText(""); t6.setText("");

    }
    if(e.getSource()==b7)
    {
        setVisible(false);
    }
}

```

```

    new one();
}
if(e.getSource()==b8)
{
    setVisible(false);
    new view(1,0);
}
if(e.getSource()==b3)
{
    String k="update products set ";
    if(!t2.getText().equals(""))
    {
        if(!t4.getText().equals(""))
        {
            String s=k+"stock="+t4.getText()+" where pno="+t2.getText();
            o.execute(s);
        }
        if(!t5.getText().equals(""))
        {
            String s=k+"price="+t5.getText()+" where pno="+t2.getText();
            o.execute(s);
        }
        if(!t6.getText().equals(""))
        {
            String s=k+"mrp="+t6.getText()+" where pno="+t2.getText();
            o.execute(s);
        }
        if(!t7.getText().equals(""))
        {
            String s=k+"dp="+t7.getText()+" where pno="+t2.getText();
            o.execute(s);
        }
    }
}

```

```

if(!t3.getText().equals(""))
{
    if(!t4.getText().equals(""))
    {
        String s=k+"stock="+t4.getText()+" where pname='"+t3.getText()+"''";
        o.execute(s);
    }
    if(!t5.getText().equals(""))
    {
        String s=k+"price="+t5.getText()+" where pname='"+t3.getText()+"''";
        o.execute(s);
    }
    if(!t6.getText().equals(""))
    {
        String s=k+"mrp="+t6.getText()+" where pname='"+t3.getText()+"''";
        o.execute(s);
    }
    if(!t7.getText().equals(""))
    {
        String s=k+"dp="+t7.getText()+" where pname='"+t3.getText()+"''";
        o.execute(s);
    }
}

t2.setText(""); t3.setText(""); t4.setText(""); t5.setText(""); t7.setText(""); t6.setText("");
}

if(e.getSource()==b4)
{
    String k="delete from products where ";
    if(!t2.getText().equals(""))
        k=k+" pno="+t2.getText();
    else
        if(!t3.getText().equals(""))
            k=k+" pname='"+t3.getText()+"''";

```



```

o.execute(k);

t2.setText(""); t3.setText(""); t4.setText(""); t5.setText(""); t7.setText(""); t6.setText("");

}

}

}

```

Queries executed in the class:

Select pname from products;

Select * from products where pno='entered pno' or pname='entered pname';

Insert into products values(entered product no,'entered product name',entered stock,entered selling price, entered mrp, entered discount percentage);

Update products set stock=entered stock where pno='entered pno' or pname='entered pname';

Update products set price=entered selling price where pno='entered pno' or pname='entered pname';

Update products set mrp=entered mrp where pno='entered pno' or pname='entered pname';

Update products set dp=entered discount percentage where pno='entered pno' or pname='entered pname';

Delete from products where pno='entered pno' or pname='entered pname';

Class usercreate to add new customer:

```

import java.io.*;
import java.util.*;
import java.sql.*;
import java.awt.*;
import java.awt.event.*;
import javax.swing.*;

public class usercreate implements ActionListener
{
    int x=0;

    connect o=new connect();

    JFrame f1=new JFrame();

    JLabel l1=new JLabel("Enter Name:");

    JTextField t1=new JTextField();

    JLabel l2=new JLabel("Enter new pin:");

    JTextField t2=new JTextField();

```

```

JLabel l3=new JLabel("");
JButton b1=new JButton("CREATE");
JButton b7=new JButton("BACK");
usercreate()
{
    b1.setBounds(50,150,100,50);
    l1.setBounds(50,50,100,30);
    t1.setBounds(190,50,100,30);
    l2.setBounds(50,100,100,30);
    t2.setBounds(190,100,100,30);
    l2.setBounds(50,100,100,30);
    l3.setBounds(50,220,150,30);
    b7.setBounds(350,50,100,30);

    f1.setSize(500,500);
    f1.setLayout(null);
    f1.add(b1);
    f1.add(l2); f1.add(t2);
    f1.add(l1); f1.add(t1); f1.add(l3); f1.add(b7);
    b1.addActionListener(this); b7.addActionListener(this);
    f1.setVisible(true);
}
public void actionPerformed(ActionEvent e)
{
    if(e.getSource()==b7)
    {
        f1.setVisible(false);
        new one();
    }
    if(e.getSource()==b1)
    {
        String k="";
        int cno=0;

```

```

        ResultSet rs=o.execute2("select max(cno) from customer");

        try
        {
            while(rs.next())
            {
                cno=rs.getInt("max(cno)")+1;

                System.out.println(cno);

            }
        }catch(Exception x){ System.out.println(e);}

        k=Integer.toString(cno)+"','"+t1.getText()+"','"+t2.getText();

        k="insert into customer values("+k+ ")";

        o.execute(k);

        l3.setText("YOUR CNO IS "+Integer.toString(cno));

    }

}

public static void main(String args[])
{
    usercreate obj=new usercreate();

}

}

```

Queries executed in the class:

select max(cno) from customer;

Insert into customer values(cno generated,'entered name',entered pin);

Class user for user window:

```

import java.io.*;
import java.util.*;
import java.sql.*;
import java.awt.*;
import java.awt.event.*;
import javax.swing.*;

```

```
public class user implements ActionListener
```

```
{  
    int no;  
    connect o=new connect();  
    JFrame f1=new JFrame();  
    JLabel l1=new JLabel("Select Item:");  
    JTextField t1=new JTextField();  
    JLabel l2=new JLabel("Select Qty:");  
    JTextField t2=new JTextField("0");  
    JLabel l3=new JLabel("Unit Price:");  
    JLabel l4=new JLabel("");  
    JLabel l5=new JLabel("MRP:");  
    JLabel l6=new JLabel("");  
    JLabel l7=new JLabel("Discount%:");  
    JLabel l8=new JLabel("");  
    JLabel l9=new JLabel("In Stock:");  
    JLabel l10=new JLabel("");  
    JLabel l11=new JLabel("Total Price:");  
    JLabel l12=new JLabel("");  
    JComboBox c1= new JComboBox();  
    JButton b1=new JButton("SET");  
    JButton b2=new JButton("ORDER");  
    JButton b7=new JButton("BACK");  
    JButton b8=new JButton("VIEW ORDERS");  
    user(int n)  
    {  
        no=n;  
        l1.setBounds(50,50,80,30);  
        t1.setBounds(130,50,100,30);  
        l2.setBounds(50,120,80,30);  
        t2.setBounds(130,120,30,30);  
        b1.setBounds(160,120,70,30);  
        b2.setBounds(250,50,80,30);
```

```

c1.setBounds(130,80,100,30);
l3.setBounds(50,170,80,30);
l4.setBounds(130,170,80,30);
l5.setBounds(50,220,80,30);
l6.setBounds(130,220,80,30);
l7.setBounds(50,270,80,30);
l8.setBounds(130,270,80,30);
l9.setBounds(50,320,80,30);
l10.setBounds(130,320,80,30);
l11.setBounds(50,370,80,30);
l12.setBounds(130,370,80,30);
    b7.setBounds(350,50,100,30);
b8.setBounds(250,100,200,30);
f1.setSize(500,500);
f1.setLayout(null);
f1.add(b7);
f1.add(l1); f1.add(t1); f1.add(c1); f1.add(b1); f1.add(b2); f1.add(b8);
f1.add(l2); f1.add(t2); f1.add(l3); f1.add(l4); f1.add(l5); f1.add(l6); f1.add(l7); f1.add(l8);
f1.add(l9); f1.add(l10); f1.add(l11); f1.add(l12);
f1.setVisible(true);
f1.setTitle("  CNO: "+Integer.toString(no));
b1.addActionListener(this);    b2.addActionListener(this);
b7.addActionListener(this);    b8.addActionListener(this);

```

```

ResultSet rs=o.execute2("select pname from products");

```

```

try
{
    while(rs.next())
        c1.addItem(rs.getString("pname"));
}catch(Exception e){ System.out.println(e);}
c1.addActionListener(new ActionListener() {
public void actionPerformed(ActionEvent e) {

```

```
t1.setText((String)((JComboBox)e.getSource()).getSelectedItem());

ResultSet rs1=o.execute2("select price from products where pname='"+t1.getText()+"'");

float price=0;

try
{
    while(rs1.next())

        price=rs1.getFloat("price");
}catch(Exception t){ System.out.println(t);}

l4.setText("        "+Float.toString(price));


ResultSet rs2=o.execute2("select mrp from products where pname='"+t1.getText()+"'");

float mrp=0;

try
{
    while(rs2.next())

        mrp=rs2.getFloat("mrp");
}catch(Exception t){ System.out.println(t);}

l6.setText("        "+Float.toString(mrp));


ResultSet rs3=o.execute2("select dp from products where pname='"+t1.getText()+"'");

float dp=0;

try
{
    while(rs3.next())

        dp=rs3.getFloat("dp");
}catch(Exception t){ System.out.println(t);}

l8.setText("        "+Float.toString(dp));

ResultSet rs4=o.execute2("select stock from products where pname='"+t1.getText()+"'");

int stock=0;

try
{
    while(rs4.next())

        stock=rs4.getInt("stock");
```

```

}catch(Exception t){ System.out.println(t);}

l10.setText("      "+Integer.toString(stock));

}

});

}

public void actionPerformed(ActionEvent e)
{
    if(e.getSource()==b7)
    {
        f1.setVisible(false);
        new one();
    }
    if(e.getSource()==b8)
    {
        f1.setVisible(false);
        new view(2,no);
    }
    if(e.getSource()==b1)
    {
        l12.setText("      "+Float.toString(Float.parseFloat(l4.getText())*(float)Integer.parseInt(t2.getText())));
    }
    if(e.getSource()==b2)
    {
        String k="insert into orders values(";
        int on=1;
        ResultSet rs=o.execute2("select max(ono) from orders");
        try
        {
            while(rs.next())
            {
                on=rs.getInt("max(ono)")+1;
            }
        }catch(Exception t){ System.out.println(e);}
        k=k+Integer.toString(on)+"," +Integer.toString(no);
        int pn=1;
    }
}

```

```

ResultSet rs1=o.execute2("select pno from products where pname='"+t1.getText()+"");

try
{
    while(rs1.next())
        pn=rs1.getInt("pno");
}catch(Exception t){ System.out.println(e);}

k=k+","+Integer.toString(pn)+","+"t1.getText().trim()"+","+"t2.getText().trim()"+","+"l4.getText().trim()"+","+"l6.getText().trim(
)"+","+"l12.getText().trim()"+");

    if(Integer.parseInt(l10.getText().trim())>0&&Integer.parseInt(t2.getText().trim())>0)
    {
        o.execute(k);

        int curr=Integer.parseInt(l10.getText().trim())-Integer.parseInt(t2.getText().trim());

        k="update products set stock="+Integer.toString(curr)+" where pname='"+t1.getText().trim()+"'";

        System.out.println(k);

        o.execute(k);

        t1.setText(""); t2.setText("");

        l4.setText(""); l6.setText("");

        l8.setText(""); l10.setText("");

        l12.setText("");

    }
}

}

public static void main(String args[])
{
    new user(5);
}
}

```

Queries executed in the class:

Select max(ono) from order;

Select * from products where pname='selected pname';

Insert into orders values(max(ono),pno,pname,entered quantity,price,mrp,total price);

Class view to view orders:


```
import java.io.*;
import java.util.*;
import java.sql.*;
import java.awt.*;
import java.awt.event.*;
import javax.swing.*;

public class view implements ActionListener
{
    int n=0,t=0,cn;
    connect o=new connect();
    JFrame f1=new JFrame();
    JLabel l=new JLabel("TOTAL SALE: RS.");
    JLabel l1=new JLabel("ORDER NO");
    JLabel l2=new JLabel("CNO");
    JLabel l3=new JLabel("PNO");
    JLabel l4=new JLabel("PNAME");
    JLabel l5=new JLabel("QTY");
    JLabel l6=new JLabel("PRICE");
    JLabel l7=new JLabel("MRP");
    JLabel l8=new JLabel("TOT");
    JLabel or[]=new JLabel[20];
    String s[]=new String[100];
    JButton b7=new JButton("BACK");

    view(int k,int c)
    {
        n=k; cn=c;;
        l1.setBounds(40,50,80,30);
        l2.setBounds(130,50,50,30);
        l3.setBounds(180,50,50,30);
        l4.setBounds(230,50,50,30);
        l5.setBounds(295,50,50,30);
```

```

l6.setBounds(340,50,50,30);
l7.setBounds(400,50,50,30);
l8.setBounds(450,50,50,30);
    b7.setBounds(550,50,100,30);
l.setBounds(40,5,200,30);
f1.setSize(700,1000);
f1.setLayout(null);
f1.add(l1); f1.add(l2); f1.add(l4); f1.add(l3); f1.add(l5); f1.add(l);
f1.add(l8); f1.add(l7); f1.add(l6); f1.add(b7);
f1.setVisible(true); b7.addActionListener(this);

ResultSet rs=null;
if(n==1)
    rs=o.execute2("select count(ono) from orders");
if(n==2)
    rs=o.execute2("select count(ono) from orders where cno="+Integer.toString(cn));
try
{
    while(rs.next())

        t=rs.getInt("count(ono)");

}catch(Exception e){ System.out.println(e);}
if(t!=0)
{
    for(int i=0;i<8;i++)
    {
        or[i]=new JLabel("");
        or[i].setBounds(50,50*(i+2),500,30);
        f1.add(or[i]);
    }
}
ResultSet rs2=null;

```

```

if(n==1)
rs2=o.execute2("select sum(tot) from orders");
if(n==2)
rs2=o.execute2("select sum(tot) from orders where cno="+Integer.toString(cn));
try
{
while(rs2.next())

l.setText(l.getText()+Float.toString(rs2.getFloat("sum(tot)")));

}catch(Exception e){ System.out.println(e);}
if(n!=0)
{
for(int i=0;i<8;i++)
{
or[i]=new JLabel("");
or[i].setBounds(50,50*(i+2),500,30);
f1.add(or[i]);
}
}
ResultSet rs1=null;
if(n==1)
rs1=o.execute2("select * from orders");
if(n==2)
rs1=o.execute2("select * from orders where cno="+Integer.toString(cn));
int i=0;
for(int j=0;j<100;j++)
s[j]="";

try
{
while(rs1.next()&&i<20)
{

```

```

s[i]=s[i]+" "+Integer.toString(rs1.getInt("ono"));
s[i]=s[i]+" "+Integer.toString(rs1.getInt("cno"));
s[i]=s[i]+" "+Integer.toString(rs1.getInt("pno"));
s[i]=s[i]+" "+rs1.getString("pname");
s[i]=s[i]+" "+Integer.toString(rs1.getInt("qty"));
s[i]=s[i]+" "+Float.toString(rs1.getFloat("price"));
s[i]=s[i]+" "+Float.toString(rs1.getFloat("mrp"));
s[i]=s[i]+" "+Float.toString(rs1.getFloat("tot"));
or[i].setText(s[i]);
i++;
}
}catch(Exception e){ System.out.println(e);}

```

```

}
public void actionPerformed(ActionEvent e)
{
    if(e.getSource()==b7)
    {
        f1.setVisible(false);
        if(n==1)
            new admin();
        if(n==2)
            new user(cn);
    }
}
}

```

Queries executed in the class:

Select * from orders;

Select * from orders where cno=passed cno in the class;



