1. Buat table "konsumen", "jual", dan "djual" di database penjualan

Server: 127.0.0.1 » Database: penjualan » Table: konsumen

Browse | Structure | SQL | Search | Insert | Export | Import | Privileges | Ope

Table structure | Relation view

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	kd_kons	varchar(6)	utf8mb4_general_ci		No	None			Change Drop More
2	nm_kons	varchar(30)	utf8mb4_general_ci		Yes	NULL			Change Drop More
3	alm_kons	varchar(50)	utf8mb4_general_ci		Yes	NULL			Change Drop More
4	kota_kons	varchar(20)	utf8mb4_general_ci		Yes	NULL			Change Drop More
5	kd_pos	varchar(5)	utf8mb4_general_ci		Yes	NULL			Change Drop More
6	phone	varchar(15)	utf8mb4_general_ci		Yes	NULL			Change Drop More
7	email	varchar(30)	utf8mb4_general_ci		Yes	NULL			Change Drop More

Server: 127.0.0.1 » Database: penjualan » Table: jual

Browse | Structure | SQL | Search | Insert | Export | Import | Privileges | Ope

Table structure | Relation view

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	no_jual	varchar(10)	utf8mb4_general_ci		No	None			Change Drop More
2	kd_kons	char(6)	utf8mb4_general_ci		Yes	NULL			Change Drop More
3	tgl_jual	date			Yes	NULL			Change Drop More

Server: 127.0.0.1 » Database: penjualan » Table: djual

Browse | Structure | SQL | Search | Insert | Export | Import | Privileges | Ope

Table structure | Relation view

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	no_jual	varchar(10)	utf8mb4_general_ci		No	None			Change Drop More
2	kd_brg	char(6)	utf8mb4_general_ci		No	None			Change Drop More
3	harga_jual	float			Yes	NULL			Change Drop More
4	jml_jual	int(4)			Yes	NULL			Change Drop More

2. Pada package penjualan, buat form baru yang bernama frmTransaksi

No	Variable Name	Type	Event
1	txtNoJual	JTextField	
2	txtTgl	JSpinner	

3	cmbKd_Kons	JComboBox	```private void cmbKd_KonsActionPerformed(java.awt.event.ActionEvent evt) {```
			 `// TODO add your handling code here:`
			 `JComboBox cKd_Kons = (javax.swing.JComboBox)evt.getSource();`
			 `//Membaca Item Yang Terpilih — > String`
			 `sKd_Kons = (String)cKd_Kons.getSelectedItem();`
			 `detail_konsumen(sKd_Kons);`
			 `}`

4	txtNama	JTextField	

5	cmbKd_Brg	JComboBox	```private void cmbKd_BrgActionPerformed(java.awt.event.ActionEvent evt) {```
			 `// TODO add your handling code here:`
			 `JComboBox cKd_Brg = (javax.swing.JComboBox)evt.getSource();`
			 `//Membaca Item Yang Terpilih — > String`
			 `sKd_Brg = (String)cKd_Brg.getSelectedItem();`
			 `detail_barang(sKd_Brg);`
			 `txtJml.setText("");`
			 `txtTot.setText("");`
			 `}`

6	txtNm_Brg	JTextField	
7	txtHarga	JTextField	

8	txtJml	JTextField	```private void txtJmlKeyPressed(java.awt.event.KeyEvent evt) {```
			 `// TODO add your handling code here:`
			 `if (evt.getKeyCode() == KeyEvent.VK_ENTER) {`
			 `hitung_jual();`
			 `simpan_ditabel();`
			 `}`
			 `}`

9	txtTot	JTextField	

10	cmdHapusItem	JButton	```private void cmdHapusItemActionPerformed(java.awt.event.ActionEvent evt)```
			 `{`
			 `// TODO add your handling code here:`
			 `DefaultTableModel dataModel = (DefaultTableModel) tblJual.getModel();`
			 `int row=tblJual.getSelectedRow();`
			
			 `if (tblJual.getRowCount() > 0) {`
			 `dataModel.removeRow(row);`
			 `}`
			
			 `double xtot,xhrg;`
			 `int xjml;`
			 `xhrg=Double.parseDouble(txtHarga.getText());`
			 `xjml=Integer.parseInt(txtJml.getText());`
			 `xtot=xhrg*xjml;`
			 `total=total-xtot;`
			 `txtTotal.setText(Double.toString(total));`
			 `}`

11	tblJual	JTable	`private void tblJualMouseClicked(java.awt.event.MouseEvent evt) {`
			`    // TODO add your handling code here:`
			`    setField();`
			`}`

12	text	JTextArea	
13	txtTotal	JTextField	

14	cmdTambah	JButton	`private void cmdTambahActionPerformed(java.awt.event.ActionEvent evt) {`
			`    // TODO add your handling code here:`
			`    aktif(true);`
			`    setTombol(false);`
			`    kosong();`
			`    baca_konsumen();`
			`    baca_barang();`
			`    nomor_jual();`
			`}`

15	cmdSimpan	JButton	`private void cmdSimpanActionPerformed(java.awt.event.ActionEvent evt) {`
			`    // TODO add your handling code here:`
			`    simpan_transaksi();`
			`    aktif(false);`
			`    setTombol(true);`
			`    kosong();`
			`    kosong_detail();`
			`}`

16	cmdBatal	JButton	`private void cmdBatalActionPerformed(java.awt.event.ActionEvent evt) {`
			`    // TODO add your handling code here:`
			`    aktif(false);`
			`    setTombol(true);`
			`    kosong();`
			`}`

17	cmdCetak	JButton	`private void cmdCetakActionPerformed(java.awt.event.ActionEvent evt) {`
			`    // TODO add your handling code here:`
			`    format_tanggal();`
			`    String ctk="Nota Penjualan\nNo : "+txtNoJual.getText()+"\nTanggal : "+tanggal;`
			`    ctk=ctk+"\n"+"-----------------------------------------------------------------------------------------";`
			`    ctk=ctk+"\n"+"Kode\tNama Barang\tHarga\tJml\tTotal";`
			`    ctk=ctk+"\n"+"-----------------------------------------------------------------------------------------";`
			
			`    for(int i=0;i<tblJual.getRowCount();i++)`
			`    {`
			`        String xkd=(String)tblJual.getValueAt(i,0);`
			`        String xnama=(String)tblJual.getValueAt(i,1);`
			`        double xhrg=(Double)tblJual.getValueAt(i,2);`
			`        int xjml=(Integer)tblJual.getValueAt(i,3);`
			`        double xtot=(Double)tblJual.getValueAt(i,4);`
			`        ctk=ctk+"\n"+xkd+"\t"+xnama+"\t"+xhrg+"\t"+xjml+"\t"+xtot;`
			`    }`

| | | | ```
        ctk=ctk+"\n"+"-----------------------------------------------------------------------------------------";
        text.setText(ctk);
        String headerField="";
        String footerField="";
        MessageFormat header = new MessageFormat(headerField);
        MessageFormat footer = new MessageFormat(footerField);;
        boolean interactive = true;//interactiveCheck.isSelected();
        boolean background = true;//backgroundCheck.isSelected();
        PrintingTask task = new PrintingTask(header, footer, interactive);
        if (background) {
          task.execute();
        } else {
          task.run();
        }
    }
``` |
| 18 | cmdKeluar | JButton | ```
private void cmdKeluarActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    dispose();
}
``` |

```java
package penjualan;

import java.awt.event.KeyEvent;
import java.awt.print.PrinterException;
import java.sql.*;
import java.text.*;
import java.util.Calendar;
import javax.swing.JComboBox;
import javax.swing.JSpinner;
import javax.swing.SwingWorker;
import javax.swing.table.DefaultTableModel;

public class frmTransaksi extends javax.swing.JFrame {
    Connection Con;
    ResultSet RsBrg;
    ResultSet RsKons;
    Statement stm;
    double total=0;
    String tanggal;
    Boolean edit=false;
    PreparedStatement pstat;
    String sKd_Kons;
    String sKd_Brg;

    DefaultTableModel tableModel = new DefaultTableModel(new Object [][]{}, new String [] {"Kd Barang", "Nama
Barang","Harga Barang","Jumlah","Total"});

public frmTransaksi() {
    initComponents();
    open_db();
    inisialisasi_tabel();
    aktif(false);
    setTombol(true);
    txtTgl.setEditor(new JSpinner.DateEditor(txtTgl, "yyyy/MM/dd"));
}

    private void setField()
    {
        int row=tblJual.getSelectedRow();
        cmbKd_Brg.setSelectedItem((String)tblJual.getValueAt(row,0));
        txtNm_Brg.setText((String)tblJual.getValueAt(row,1));
        String harga = Double.toString((Double)tblJual.getValueAt(row,2));
        txtHarga.setText(harga);
        String jumlah=Integer.toString((Integer)tblJual.getValueAt(row,3));
        txtJml.setText(jumlah);
        String total=Double.toString((Double)tblJual.getValueAt(row,4));
        txtTot.setText(total);
    }
```

```java
private void hitung_jual()
    {
        double xtot,xhrg;
        int xjml;
        xhrg=Double.parseDouble(txtHarga.getText());
        xjml=Integer.parseInt(txtJml.getText());
        xtot=xhrg*xjml;
        String xtotal=Double.toString(xtot);
        txtTot.setText(xtotal);
        total=total+xtot;
        txtTotal.setText(Double.toString(total));
    }

    private void open_db()
    {
      try{
        KoneksiMysql kon = new KoneksiMysql ("localhost","root","","penjualan");
        Con = kon.getConnection();
        //System.out.println("Berhasil ");
      }catch (Exception e) {
        System.out.println("Error : "+e);
      }
    }

    private void baca_konsumen()
    {
      try{
        stm=Con.createStatement();

        pstat = Con.prepareStatement("select kd_kons,nm_kons from
konsumen",ResultSet.TYPE_SCROLL_SENSITIVE,ResultSet.CONCUR_UPDATABLE);
        ResultSet rs = pstat.executeQuery();

        rs.beforeFirst();
        while(rs.next())
        {
          cmbKd_Kons.addItem(rs.getString(1).trim());
        }
        rs.close();
      }catch(SQLException e){
        System.out.println("Error : "+e);
      }
    }

    public void inisialisasi_tabel()
    {
      tblJual.setModel(tableModel);
    }
```

```java
    private void baca_barang()
    {
        try{
            stm=Con.createStatement();

            pstat = Con.prepareStatement("select * from
barang",ResultSet.TYPE_SCROLL_SENSITIVE,ResultSet.CONCUR_UPDATABLE);
            ResultSet rs = pstat.executeQuery();

            rs.beforeFirst();
            while(rs.next())
            {
                cmbKd_Brg.addItem(rs.getString(1).trim());
            }
            rs.close();
        }catch(SQLException e){
            System.out.println("Error : "+e);
        }
    }

    private void detail_barang(String xkode)
    {
        try{
            stm=Con.createStatement();

            pstat = Con.prepareStatement("select * from barang where
kd_brg='"+xkode+"'",ResultSet.TYPE_SCROLL_SENSITIVE,ResultSet.CONCUR_UPDATABLE);
            ResultSet rs = pstat.executeQuery();

            rs.beforeFirst();
            while(rs.next())
            {
                txtNm_Brg.setText(rs.getString(2).trim());
                txtHarga.setText(Double.toString((Double)rs.getDouble(4)));
            }
            rs.close();
        }catch(SQLException e){
            System.out.println("Error : "+e);
        }
    }

private void setTombol(boolean t)
    {
        cmdTambah.setEnabled(t);
        cmdSimpan.setEnabled(!t);
        cmdBatal.setEnabled(!t);
        cmdKeluar.setEnabled(t);
        cmdHapusItem.setEnabled(!t);
    }
```

```java
    private void detail_konsumen(String xkode)
    {
        try{
            stm=Con.createStatement();
            pstat = Con.prepareStatement("select * from konsumen where
kd_kons='"+xkode+"'",ResultSet.TYPE_SCROLL_SENSITIVE,ResultSet.CONCUR_UPDATABLE);
            ResultSet rs = pstat.executeQuery();

            rs.beforeFirst();
            while(rs.next()){
                txtNama.setText(rs.getString(2).trim());
            }
            rs.close();
        }catch(SQLException e){
            System.out.println("Error : "+e);
        }
    }

    private void kosong()
    {
        txtNoJual.setText("");
        txtNama.setText("");
        txtHarga.setText("");
        txtTotal.setText("");
        text.setText("");
        DefaultTableModel dataModel = (DefaultTableModel) tblJual.getModel();
        if (tblJual.getRowCount() > 0) {
            for (int i = tblJual.getRowCount() - 1; i > -1; i--) {
                dataModel.removeRow(i);
            }
        }
    }

    private void kosong_detail()
    {
        txtNm_Brg.setText("");
        txtHarga.setText("");
        txtJml.setText("");
        txtTot.setText("");
    }

    private void aktif(boolean x)
    {
        cmbKd_Kons.setEnabled(x);
        cmbKd_Brg.setEnabled(x);
        cmbKd_Kons.removeAllItems();
        cmbKd_Brg.removeAllItems();
        txtTgl.setEnabled(x);
        txtJml.setEditable(x);
    }
```

```java
   private void nomor_jual()
   {
     try{
       stm=Con.createStatement();
       pstat = Con.prepareStatement("SELECT no_jual FROM jual ORDER BY no_jual DESC LIMIT
1",ResultSet.TYPE_SCROLL_SENSITIVE,ResultSet.CONCUR_UPDATABLE);
       ResultSet rs = pstat.executeQuery();
       int brs=0;
       while(rs.next()){
          brs=rs.getRow();
       }
       if(brs==0)
          txtNoJual.setText("1");
       else{
          rs.beforeFirst();
          while(rs.next()) {
             int no=rs.getInt("no_jual")+1;
             txtNoJual.setText(Integer.toString(no));
          }
       }
       rs.close();
     }catch(SQLException e){
       System.out.println("Error : "+e);
     }
   }
private void format_tanggal()
   {
     String DATE_FORMAT = "yyyy-MM-dd";
     java.text.SimpleDateFormat sdf = new java.text.SimpleDateFormat(DATE_FORMAT);
     Calendar c1 = Calendar.getInstance();
     int year=c1.get(Calendar.YEAR);
     int month=c1.get(Calendar.MONTH)+1;
     int day=c1.get(Calendar.DAY_OF_MONTH);
     tanggal=Integer.toString(year)+"-"+Integer.toString(month)+"-"+Integer.toString(day);
   }
  private void simpan_ditabel()
   {
     try{
       String tKode=cmbKd_Brg.getSelectedItem().toString();
       String tNama=txtNm_Brg.getText();
       double hrg=Double.parseDouble(txtHarga.getText());
       int jml=Integer.parseInt(txtJml.getText());
       double tot=Double.parseDouble(txtTot.getText());
       tableModel.addRow(new Object[]{tKode,tNama,hrg,jml,tot});
       inisialisasi_tabel();
     }catch(Exception e){
       System.out.println("Error : "+e);
     }
   }
```

```java
private void simpan_transaksi()
{
    try{
        String xnojual=txtNoJual.getText();
        format_tanggal();
        String xkode=cmbKd_Kons.getSelectedItem().toString();
        String msql="insert into jual values('"+xnojual+"','"+xkode+"','"+tanggal+"')";
        stm.executeUpdate(msql);
        for(int i=0;i<tblJual.getRowCount();i++)
        {
            String xkd=(String)tblJual.getValueAt(i,0);
            double xhrg=(Double)tblJual.getValueAt(i,2);
            int xjml=(Integer)tblJual.getValueAt(i,3);
            String zsql="insert into djual values('"+xnojual+"','"+xkd+"',"+xhrg+","+xjml+")";
            stm.executeUpdate(zsql);
            //update stok
            String ysql="update barang set stok=stok-"+xjml+" where kd_brg='"+xkd+"'";
            stm.executeUpdate(ysql);
        }
    }catch(SQLException e){
        System.out.println("Error : "+e);
    }
}

private class PrintingTask extends SwingWorker<Object, Object> {
    private final MessageFormat headerFormat;
    private final MessageFormat footerFormat;
    private final boolean interactive;
    private volatile boolean complete = false;
    private volatile String message;

    public PrintingTask(MessageFormat header, MessageFormat footer, boolean interactive) {
        this.headerFormat = header;
        this.footerFormat = footer;
        this.interactive = interactive;
    }

    @Override
    protected Object doInBackground() {
        try {
            complete = text.print(headerFormat, footerFormat, true, null, null, interactive);
            message = "Printing " + (complete ? "complete" : "canceled");
        } catch (PrinterException ex) {
            message = "Sorry, a printer error occurred";
        } catch (SecurityException ex) {
            message = "Sorry, cannot access the printer due to security reasons";
        }
        return null;
    }
```
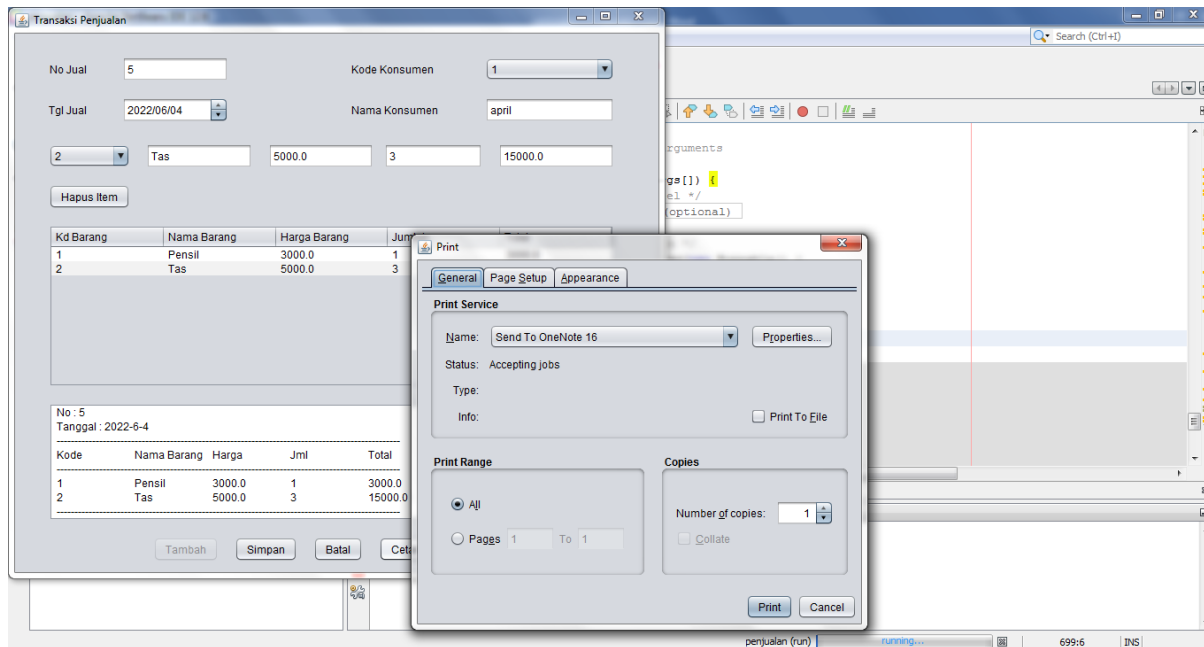
```java
    @Override
    protected void done() {
        //message(!complete, message);
    }
  }
}
```


Nota Penjualan
No : 5
Tanggal : 2022-6-4

Kode	Nama Barang	Harga	Jml	Total
1	Pensil	3000.0	1	3000.0
2	Tas	5000.0	3	15000.0