**Method Code :-**

public class Elec

{

String Name;

String MiddleName;

String Surname;

String Number;

String MeterNo;

String Unit;

String Address;

String custNO;

Elec(String a,String b,String c,String d,String e,String f,String g,String h)

{

this.Name = a;

this.MiddleName = b;

this.Surname = c;

this.Number = d;

this.MeterNo = e;

this.Unit=f;

this.Address=g;

this.custNO = h;

}

public String toString()

{

return this.Name+"#"+this.MiddleName+"#"+this.Surname+"#"+this.Number+"#"+this.MeterNo+"#"+this.Unit+"#"+this.Address+"#"+this.custNO;

}

}

**View :-**

1. **Frame 1 :-**

import java.awt.\*;

import java.awt.event.\*;

import java.io.\*;

import javax.swing.\*;

import java.lang.\*;

public class Index extends JFrame

{

Button btn1,btn2;

MyActionListener mf = new MyActionListener(this);

Index()

{

super("HOME");

setLayout(null);

setVisible(true);

setBounds(0,0,800,800);

setContentPane(new JLabel(new ImageIcon("A:\\OOP Project\\Pgvcl6.jpeg")));

btn1 = new Button("Get Bill");

btn2 = new Button("Close");

Font f1 = new Font("Arial",Font.BOLD,25);

btn1.setFont(f1);

btn2.setFont(f1);

add(btn1);

add(btn2);

btn1.setBounds(200,600,150,50);

btn2.setBounds(400,600,150,50);

btn1.addActionListener(mf);

btn2.addActionListener(mf);

addWindowListener(new WindowAdapter()

{

public void windowClosing(WindowEvent we)

{

System.exit(0);

}

});

}

public static void main(String args[])

{

Index mf = new Index();

}

}

1. **Frame 2 :-**

import java.awt.\*;

import java.awt.event.\*;

import java.io.\*;

import javax.swing.\*;

import java.lang.\*;

public class Electricity extends JFrame

{

JLabel lblcosnum;

JTextField txt1;

JButton btn1,btn2;

MyActionListener fm = new MyActionListener(this);

Electricity()

{

super("ELECTRICITY BILLING SYSTEM");

setLayout(null);

setVisible(true);

setBounds(0,0,800,800);

setContentPane(new JLabel(new ImageIcon("A:\\OOP Project\\Pgvcl2.jpeg")));

lblcosnum = new JLabel("Customer Num :");

txt1 = new JTextField( );

btn1 = new JButton("BaCk");

btn2 = new JButton("Search");

Font f1 = new Font("Times",Font.BOLD,25);

lblcosnum.setFont(f1);

txt1.setFont(f1);

btn1.setFont(f1);

btn2.setFont(f1);

lblcosnum.setForeground(Color.white);

add(lblcosnum);

add(txt1);

add(btn1);

add(btn2);

lblcosnum.setBounds(100,200,250,50);

txt1.setBounds(400,200,250,50);

btn1.setBounds(300,600,150,50);

btn2.setBounds(500,600,150,50);

btn1.addActionListener(fm);

btn2.addActionListener(fm);

addWindowListener(new WindowAdapter()

{

public void windowClosing(WindowEvent we)

{

System.exit(0);

}

});

}

public static void main(String args[])

{

Electricity fm = new Electricity();

}

}

1. **Frame 3 :-**

import java.awt.\*;

import java.awt.event.\*;

import java.io.\*;

import javax.swing.\*;

import java.lang.\*;

public class Electricity1 extends JFrame

{

Label lblyourbill,lblName,lblMiddleName,lblSurname,lblNumber,lblMeter,lblcity,lblUnit,lblAddress,lblTotal;

TextField txtName,txtMiddileName,txtSurname,txtNumber,txtMeter,txtUnit,txtAddress,txtTotal;

Button btnnext,btnback;

MyActionListener fm1 = new MyActionListener(this);

Electricity1()

{

super("ELECTRICITY BILLING SYSTEM");

setLayout(null);

setBounds(0,0,1000,1000);

setContentPane(new JLabel(new ImageIcon("A:\\OOP Project\\Pgvcl3.jpeg")));

lblyourbill = new Label("Your Bill Detail");

lblName = new Label("Name");

lblMiddleName = new Label("Middlename");

lblSurname = new Label("Surname");

lblNumber = new Label("Number");

lblMeter = new Label("Meter No.");

lblUnit = new Label("Unit");

lblAddress = new Label("Address");

lblTotal = new Label("Total");

txtName = new TextField();

txtMiddileName = new TextField();

txtSurname = new TextField();

txtNumber = new TextField();

txtMeter = new TextField();

txtUnit = new TextField();

txtAddress = new TextField();

txtTotal = new TextField();

btnnext = new Button("Next");

btnback = new Button("Back");

Font f1 = new Font("Times",Font.BOLD,25);

lblyourbill.setFont(f1);

lblName.setFont(f1);

lblMiddleName.setFont(f1);

lblSurname.setFont(f1);

lblNumber.setFont(f1);

lblMeter.setFont(f1);

lblUnit.setFont(f1);

lblAddress.setFont(f1);

lblTotal.setFont(f1);

txtName.setFont(f1);

txtMiddileName.setFont(f1);

txtSurname.setFont(f1);

txtNumber.setFont(f1);

txtMeter.setFont(f1);

txtUnit.setFont(f1);

txtAddress.setFont(f1);

txtTotal.setFont(f1);

btnnext.setFont(f1);

btnback.setFont(f1);

add(lblyourbill);

add(lblName);

add(lblMiddleName);

add(lblSurname);

add(lblNumber);

add(lblMeter);

add(lblUnit);

add(lblAddress);

add(lblTotal);

add(txtName);

add(txtMiddileName);

add(txtSurname);

add(txtNumber);

add(txtMeter);

add(txtUnit);

add(txtAddress);

add(txtTotal);

add(btnnext);

add(btnback);

lblyourbill.setBounds(400,100,250,50);

lblName.setBounds(100,160,150,50);

lblMiddleName.setBounds(100,220,200,50);

lblSurname.setBounds(100,280,150,50);

lblNumber.setBounds(100,340,150,50);

lblMeter.setBounds(100,400,150,50);

lblUnit.setBounds(100,460,150,50);

lblAddress.setBounds(100,520,150,50);

lblTotal.setBounds(100,580,150,50);

txtName.setBounds(350,160,500,50);

txtMiddileName.setBounds(350,220,500,50);

txtSurname.setBounds(350,280,500,50);

txtNumber.setBounds(350,340,500,50);

txtMeter.setBounds(350,400,500,50);

txtUnit.setBounds(350,460,500,50);

txtAddress.setBounds(350,520,500,50);

txtTotal.setBounds(350,580,500,50);

btnnext.setBounds(400,800,250,50);

btnback.setBounds(200,800,150,50);

btnnext.addActionListener(fm1);

btnback.addActionListener(fm1);

addWindowListener(new WindowAdapter()

{

public void windowClosing(WindowEvent we)

{

System.exit(0);

}

});

}

public static void main(String args[])

{

Electricity1 fm1 = new Electricity1();

fm1.setVisible(true);

}

}

1. **Frame 4 :-**

import java.awt.\*;

import java.awt.event.\*;

import java.io.\*;

import javax.swing.\*;

import java.lang.\*;

public class Electricity2 extends JFrame

{

Label lblpayment;

JComboBox cb1;

Button btn1,btn2;

MyActionListener fm2 = new MyActionListener(this);

Electricity2()

{

super("ELECTRICITY BILLING SYSTEM");

setLayout(null);

setBounds(0,0,1000,1000);

setContentPane(new JLabel(new ImageIcon("A:\\OOP Project\\Pgvcl4.jpeg")));

lblpayment = new Label("Payment Process");

String[] choice = {"QR CODE"};

cb1 = new JComboBox(choice);

btn1 = new Button("BACK");

btn2 = new Button("PAY");

Font f1 = new Font("Times",Font.BOLD,25);

Font f2 = new Font("Times",Font.BOLD,50);

lblpayment.setFont(f1);

cb1.setFont(f2);

btn1.setFont(f1);

btn2.setFont(f1);

add(lblpayment);

add(cb1);

add(btn1);

add(btn2);

lblpayment.setBounds(400,100,250,50);

cb1.setBounds(200,400,600,50);

btn1.setBounds(200,800,150,50);

btn2.setBounds(400,800,150,50);

btn1.addActionListener(fm2);

btn2.addActionListener(fm2);

addWindowListener(new WindowAdapter()

{

public void windowClosing(WindowEvent we)

{

System.exit(0);

}

});

}

public static void main(String args[])

{

Electricity2 fm2 = new Electricity2();

fm2.setVisible(true);

}

}

1. **Frame 5 :-**

import java.awt.\*;

import java.awt.event.\*;

import java.io.\*;

import javax.swing.\*;

import java.lang.\*;

public class Electricity3 extends JFrame

{

MyActionListener fm3 = new MyActionListener(this);

Electricity3()

{

super("QR CODE");

setLayout(null);

setBounds(0,0,400,400);

setContentPane(new JLabel(new ImageIcon("A:\\OOP Project\\Pgvcl5.jpeg")));

addWindowListener(new WindowAdapter()

{

public void windowClosing(WindowEvent we)

{

dispose();

}

});

}

public static void main(String args[])

{

Electricity3 fm3 = new Electricity3();

fm3.setVisible(true);

}

}

**Controller :-**

import java.awt.\*;

import java.awt.event.\*;

import java.io.\*;

import javax.swing.\*;

import java.lang.\*;

import java.util.\*;

public class MyActionListener implements ActionListener

{

String Name;

String MiddleName;

String Surname;

String Number;

String MeterNo;

String Unit;

String Address;

String custNO;

int count = 0;

int data=0;

MyActionListener(String a,String b,String c,String d,String e,String f,String g,String h)

{

this.Name = a;

this.MiddleName = b;

this.Surname = c;

this.Number = d;

this.MeterNo = e;

this.Unit=f;

this.Address=g;

this.custNO = h;

}

public String toString()

{

return this.Name+"#"+this.MiddleName+"#"+this.Surname+"#"+this.Number+"#"+this.MeterNo+"#"+this.Unit+"#"+this.Address+"#"+this.custNO;

}

String getName()

{

return this.Name;

}

String getMiddleName()

{

return this.MiddleName;

}

String getSurname()

{

return this.Surname;

}

String getNumber()

{

return this.Number;

}

String getMeterNo()

{

return this.MeterNo;

}

String getUnit()

{

return this.Unit;

}

String getAddress()

{

return this.Address;

}

String getCustNo()

{

return this.custNO;

}

Index mf;

Electricity fm;

Electricity1 fm1;

Electricity2 fm2;

Electricity3 fm3;

MyActionListener(Index m)

{

this.mf = m;

}

MyActionListener(Electricity f)

{

this.fm = f;

}

MyActionListener(Electricity1 f)

{

this.fm1 = f;

}

MyActionListener(Electricity2 f)

{

this.fm2 = f;

}

MyActionListener(Electricity3 f)

{

this.fm3 = f;

}

ArrayList <MyActionListener> bill = new ArrayList<MyActionListener>();

public void actionPerformed(ActionEvent e)

{

if(e.getActionCommand().equals("Get Bill"))

{

fm = new Electricity();

fm.setVisible(true);

mf.setVisible(false);

}

if(e.getActionCommand().equals("Close"))

{

mf.dispose();

}

if(e.getActionCommand().equals("Search"))

{

fm1 = new Electricity1();

this.fm1.setVisible(true);

this.fm.setVisible(false);

System.out.println(this.fm.txt1.getText());

try

{

File f1=new File("bill.txt");

Scanner sc=new Scanner(f1);

while(sc.hasNextLine())

{

sc.nextLine();

count++;

}

}

catch(Exception ev)

{

System.out.println("ev");

}

try

{

BufferedReader br = new BufferedReader(new FileReader("bill.txt"));

for(int j=0;j<count;j++)

{

String st1=br.readLine();

String arr[] = st1.split(",");

bill.add(new MyActionListener(arr[0],arr[1],arr[2],arr[3],arr[4],arr[5],arr[6],arr[7]));

}

br.close();

}

catch(Exception r)

{

System.out.println(r);

}

for(int i=0;i<bill.size();i++)

{

int cmp = bill.get(i).getCustNo().compareTo(this.fm.txt1.getText());

if(cmp==0)

{

System.out.println(" corresponing details \n" + bill.get(i));

this.fm1.txtName.setText(bill.get(i).getName());

this.fm1.txtMiddileName.setText(bill.get(i).getMiddleName());

this.fm1.txtSurname.setText(bill.get(i).getSurname());

this.fm1.txtNumber.setText(bill.get(i).getNumber());

this.fm1.txtMeter.setText(bill.get(i).getMeterNo());

this.fm1.txtUnit.setText(bill.get(i).getUnit());

this.fm1.txtAddress.setText(bill.get(i).getAddress());

float a = (Integer.parseInt(bill.get(i).getUnit()))\*5;

float gst = (a\*18)/100;

a = a+gst;

this.fm1.txtTotal.setText(String.valueOf(a));

this.fm1.txtTotal.setText(String.valueOf(a));

data=1;

}

}

if(data==0)

{

JOptionPane.showMessageDialog(fm,"Enter Valid Coustomer Number ","Error", JOptionPane.INFORMATION\_MESSAGE);

}

}

if(e.getActionCommand().equals("BaCk"))

{

mf = new Index();

this.mf.setVisible(true);

this.fm.setVisible(false);

}

if(e.getActionCommand().equals("Next"))

{

fm2 = new Electricity2();

this.fm2.setVisible(true);

this.fm1.setVisible(false);

}

if(e.getActionCommand().equals("Back"))

{

fm = new Electricity();

this.fm.setVisible(true);

this.fm1.setVisible(false);

}

if(e.getActionCommand().equals("BACK"))

{

fm1 = new Electricity1();

this.fm1.setVisible(true);

this.fm2.setVisible(false);

}

if(e.getActionCommand().equals("PAY"))

{

fm3 = new Electricity3();

this.fm3.setVisible(true);

this.fm2.setVisible(false);

}

}

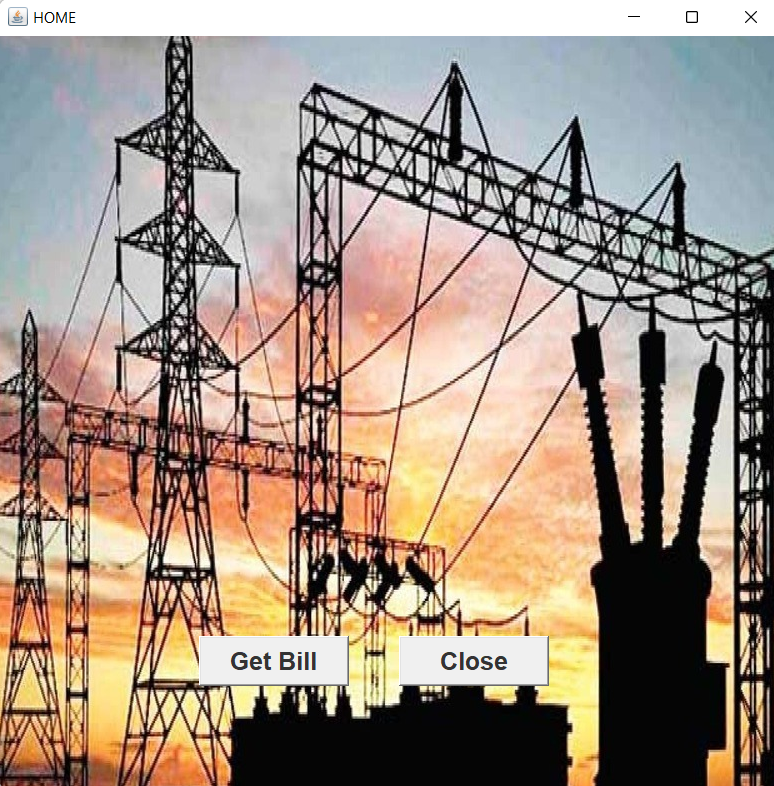
public static void main(String[] args) throws Exception

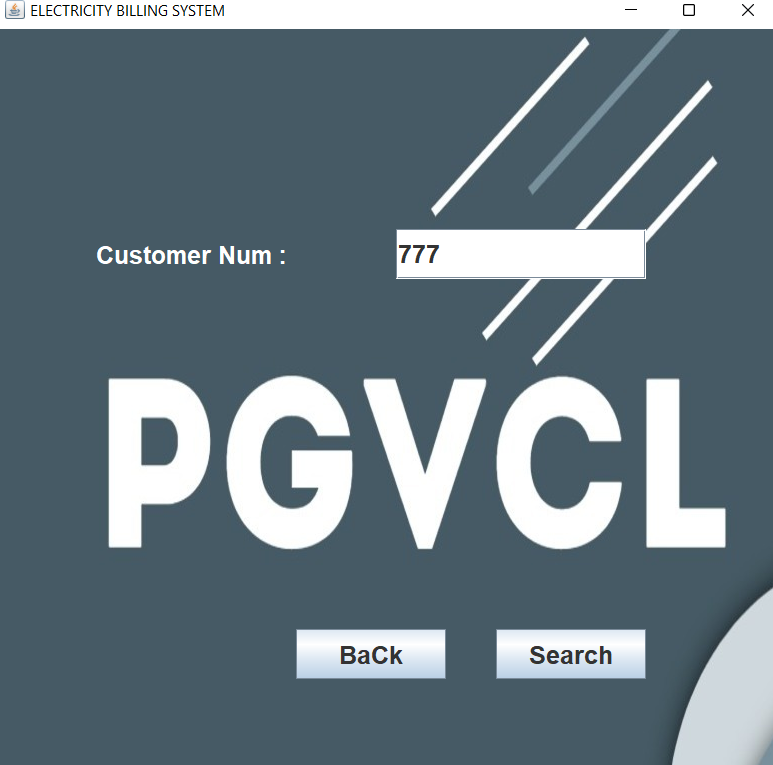
{

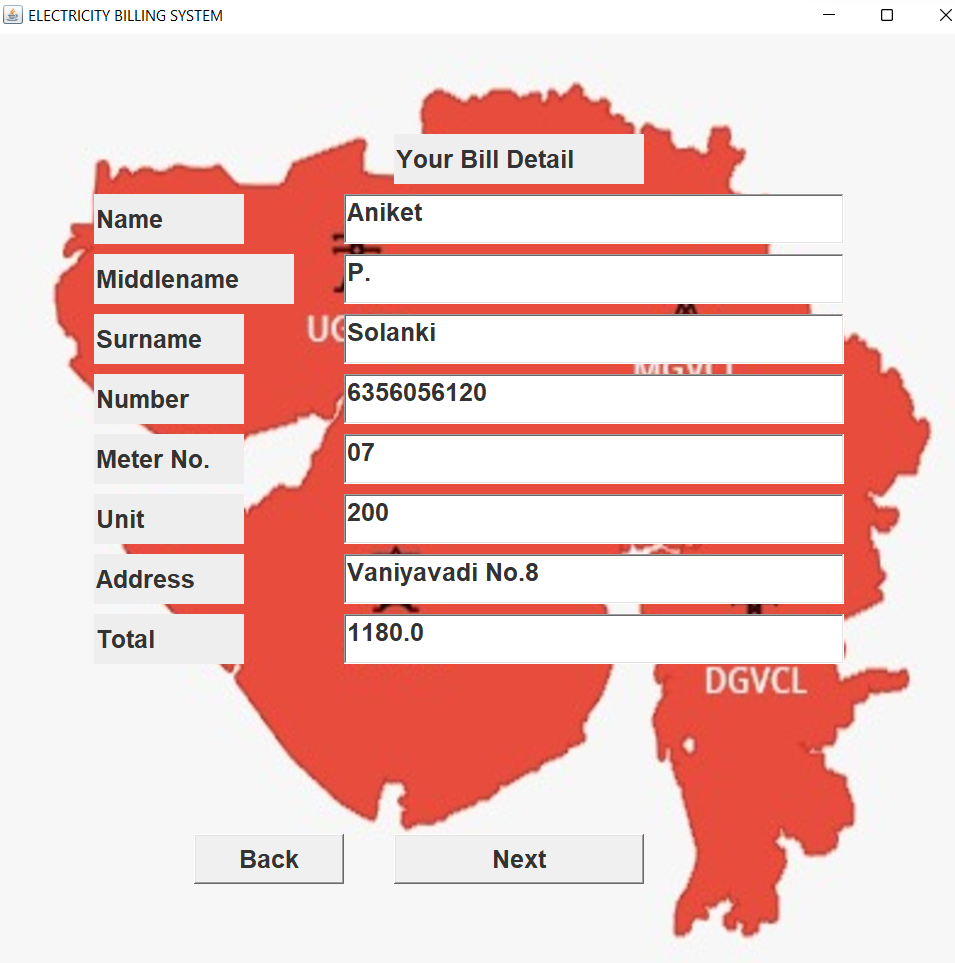
}

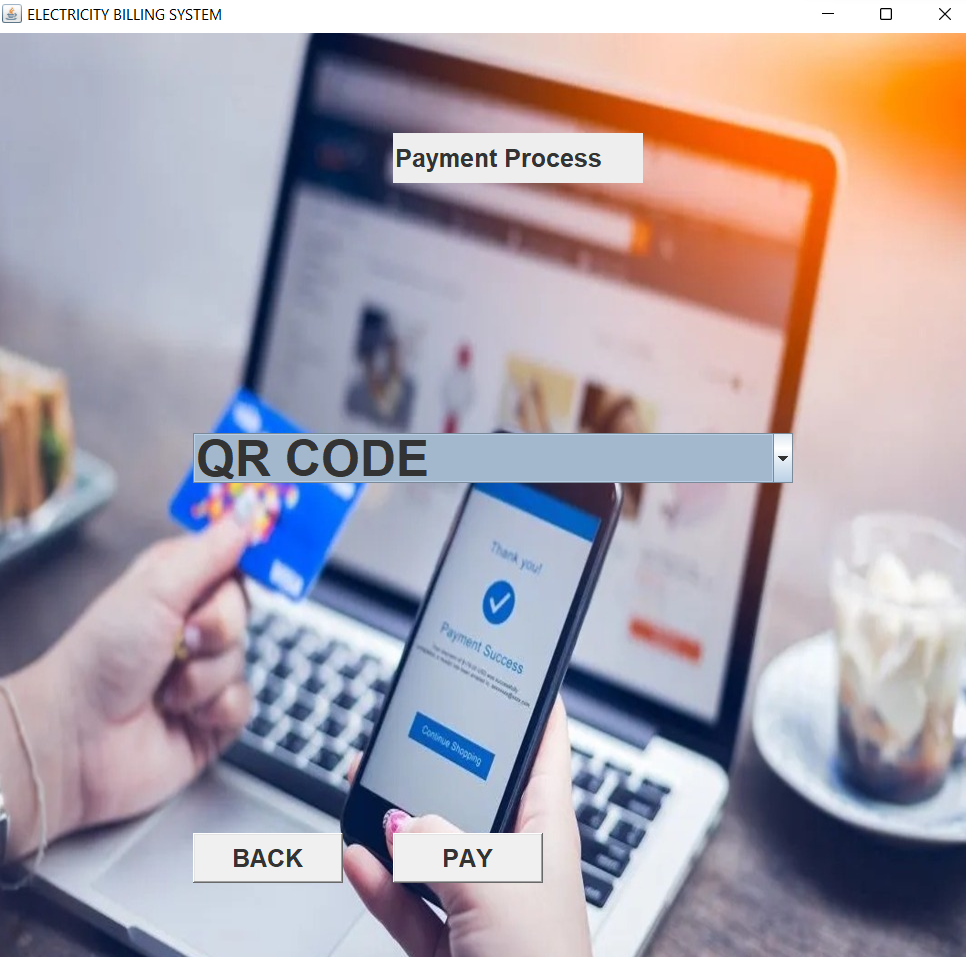
}

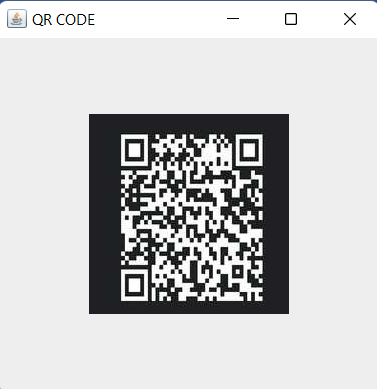
**Photos :-**

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