NATIONAL ENGINEERING COLLEGE

(An Autonomous Institution Affiliated to Anna University Chennai & Accredited by
NAAC) K.R.NAGAR, KOVILPATTI – 628 503

JAVA PROGRAMMING
19CS51C
CO-5 Mini Project
REPORT

Team Members

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Title: Canteen Management System **Problem Statement:**

To develop a canteen management system to make it easier for the Canteen manager (or) Owner.,Instead of Making a manual Writing in note or something else..it is the easiest way to ordering all those things in database..

Our canteen management system provides a easiest user interfaces for the owner and it also takes a less time for the calculations.There is a Login Page for verification security purposes.once they signed in they have to use the billing system

Tools Used:

 1. SWING

 2. Postgresql for Database

Module Description:

 1.Login Module

2.Menu List

LOGIN PAGE:

import javax.swing.*; import java.awt.*; import java.awt.Color; import java.awt.event.ActionEvent;

```java
import
java.awt.event.ActionListener;

import java.awt.event.*;

class Loginn implements ActionListener{
JFrame f;
JLabel l1,l2,l3;
JTextField un;
JPasswordField pw;
JButton s;
Loginn(){
f=new
JFrame();
l1=new JLabel("CANTEEN MANAGEMENT SYSTEM");
l1.setBounds(100,10,200,20);
l2=new JLabel("UserName");
l2.setBounds(10,50,200,20);
l3=new JLabel("Password");
l3.setBounds(10,80,200,20);
un=new JTextField();
un.setBounds(100,50,200,20);
pw=new JPasswordField();
pw.setBounds(100,80,200,20);
s=new JButton("Submit");
```

```java
s.setBounds(150,125,100,20);

f.add(l1);f.add(l2);f.add(un);f.add(l3);f.add(pw);f.add(s);

f.setLayout(null);

f.setVisible(true);

f.getContentPane().setBackground(Color.lightGray);

f.setSize(350,200);

f.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);

f.setResizable(false);

f.setTitle("Login");

    s.addActionListener(this);

}
   public void actionPerformed(ActionEvent e){
   if(e.getSource()==s){
    String userValue = un.getText();
      String passValue = pw.getText();

       if (userValue.equals("admin1") &&
passValue.equals("itsme") || userValue.equals("admin2") &&
passValue.equals("ucantcme")) {

    CanteenManagement rr=new CanteenManagement();

    }
  }
  }
public static void main(String ars[]){

Loginn t=new Loginn();
```

```
    }

    }
```

//MENU LIST PAGE

```java
import javax.swing.*; import
java.awt.*; import java.awt.event.*;
import java.awt.event.ActionEvent;
import
java.awt.event.ActionListener;

class CanteenManagement implements ActionListener{
        JFrame f=new JFrame("MENU");
    JButton b1,b2,b3,b4,b5,b6,b7,b8,b9,b10,b11,b12,b13,s;
        JTextField t1,t2,t3,t4,t5,t6,t7,t8,t9,t10,t11,t12,t13;
        JTextArea a1,a2,a3,a4,a5,a6,a7,a8,a9,a10,a11,a12;
    Int
    o=1,o1=0,o2=1,o3=0,o4=1,o5=0,o6=1,o7=0,o8
    =1,o9=0,o10=1,o11
=0,o12=1,o13=0,o14=1,o15=0,o16=1,o17=0,o18=1,o19=0,o20=1,o
21=0,o22=1,o23=0,o24=1,o25=0;
    Container c;
    JLabel l1,l2,l3,l4,l5,l6,l7,l8,l9,l10,l11,l12,l13;
    CanteenManagement(){
    f.setSize(600,700);
    f.setLocation(0, 0);
    f.setLayout(null);
```

```java
f.setDefaultCloseOperation(f.EXIT_ON_CLOSE );

f.setResizable(false);

l13=new JLabel("CANTEEN MANAGEMENT SYSTEM");

l13.setBounds(200, 10, 600,30);

f.add(l13); l1 = new JLabel("Tea");

l1.setFont(new Font("Arial", Font.PLAIN, 20));

l1.setSize(100, 89); l1.setLocation(50, 50);

f.add(l1); l2 = new JLabel("Coffee");

l2.setFont(new Font("Arial", Font.PLAIN, 20));

l2.setSize(100, 130); l2.setLocation(50, 70);

f.add(l2); l3 = new JLabel("Juice item");

l3.setFont(new Font("Arial", Font.PLAIN, 20));

l3.setSize(100, 130); l3.setLocation(50, 105);

f.add(l3);

l4 = new JLabel("Samsa/vada"); l4.setFont(new

Font("Arial", Font.PLAIN, 20)); l4.setSize(150,

150); l4.setLocation(50, 132);

f.add(l4); l5 = new JLabel("Veg buffs");

l5.setFont(new Font("Arial", Font.PLAIN, 20));

l5.setSize(150, 150); l5.setLocation(50, 165);

f.add(l5); l6 = new JLabel("Egg buffs");

l6.setFont(new Font("Arial", Font.PLAIN, 20));

l6.setSize(150, 150); l6.setLocation(50, 200);

f.add(l6);
```

```java
l7 = new JLabel("Dosa"); l7.setFont(new
Font("Arial", Font.PLAIN, 20)); l7.setSize(150,
150); l7.setLocation(50, 237);

f.add(l7); l8 = new JLabel("Parota");
l8.setFont(new Font("Arial", Font.PLAIN, 20));
l8.setSize(150, 150); l8.setLocation(50, 269);
f.add(l8); l8 = new JLabel("poori");
l8.setFont(new Font("Arial", Font.PLAIN, 20));
l8.setSize(150, 150); l8.setLocation(50, 300);
f.add(l8);
l9 = new JLabel("Veg Meals"); l9.setFont(new
Font("Arial", Font.PLAIN, 20)); l9.setSize(150,
150); l9.setLocation(50, 335);
f.add(l9);
l10 = new JLabel("NonVeg Meals");
l10.setFont(new Font("Arial", Font.PLAIN, 20));
l10.setSize(150, 150); l10.setLocation(50, 372);
f.add(l10); l11 = new JLabel("Chapathi");
l11.setFont(new Font("Arial", Font.PLAIN, 20));
l11.setSize(150, 150); l11.setLocation(50, 407);

f.add(l11); l12 = new JLabel("Idli");
l12.setFont(new Font("Arial", Font.PLAIN, 20));
l12.setSize(150, 150); l12.setLocation(50, 440);
```

```java
f.add(l12); b1 = new JButton("+");
b1.setFont(new Font("Arial", Font.BOLD, 10));
b1.setBounds(220, 80,40,20 );
f.add(b1); b2 = new JButton("+");
b2.setFont(new Font("Arial", Font.BOLD, 10));
b2.setBounds(220, 118,40,20 );
f.add(b2); b3 = new JButton("+");
b3.setFont(new Font("Arial", Font.BOLD, 10));
b3.setBounds(220, 156 ,40,20);
f.add(b3); b4 = new JButton("+");
b4.setFont(new Font("Arial", Font.BOLD, 10));
b4.setBounds(220, 194 ,40,20);
f.add(b4); b5 = new JButton("+");
b5.setFont(new Font("Arial", Font.BOLD, 10));
b5.setBounds(220, 230 ,40,20);
f.add(b5); b6 = new JButton("+");
b6.setFont(new Font("Arial", Font.BOLD, 10));
b6.setBounds(220, 263,40,20 );
f.add(b6); b7 = new JButton("+");
b7.setFont(new Font("Arial", Font.BOLD, 10));
b7.setBounds(220, 299,40,20 );
f.add(b7); b8 = new JButton("+");
b8.setFont(new Font("Arial", Font.BOLD, 10));
b8.setBounds(220, 333,40,20 );
```

```java
f.add(b8); b9 = new JButton("+");
b9.setFont(new Font("Arial", Font.BOLD, 10));
b9.setBounds(220, 367,40,20);
f.add(b9); b10 = new JButton("+");
b10.setFont(new Font("Arial", Font.BOLD, 10));
b10.setBounds(220, 400,40,20 );
f.add(b10); b11 = new JButton("+");
b11.setFont(new Font("Arial", Font.BOLD, 10));
b11.setBounds(220, 435,40,20);
f.add(b11);
b12 = new JButton("+"); b12.setFont(new
Font("Arial", Font.BOLD, 10));
b12.setBounds(220, 472,40,20);
f.add(b12); b13 = new JButton("+");
b13.setFont(new Font("Arial", Font.BOLD, 10));
b13.setBounds(220, 508,40,20);
f.add(b13); t1 = new JTextField("");
t1.setFont(new Font("Arial", Font.PLAIN, 20));
t1.setSize(35, 20); t1.setLocation(280, 80);
t1.setEditable(false);
f.add(t1); t2 = new JTextField("");
t2.setFont(new Font("Arial", Font.PLAIN, 20));
t2.setSize(35, 20); t2.setLocation(280, 118);
t2.setEditable(false);
f.add(t2); t3 = new JTextField("");
t3.setFont(new Font("Arial", Font.PLAIN, 20));
```

```java
t3.setSize(35, 20); t3.setLocation(280, 156);

t3.setEditable(false);

f.add(t3);


t4 = new JTextField(""); t4.setFont(new

Font("Arial", Font.PLAIN, 20)); t4.setSize(35,

20); t4.setLocation(280, 195);

t4.setEditable(false);


f.add(t4);


t5 = new JTextField(""); t5.setFont(new

Font("Arial", Font.PLAIN, 20)); t5.setSize(35,

20); t5.setLocation(280, 230);

t5.setEditable(false);

f.add(t5);


t6 = new JTextField(""); t6.setFont(new

Font("Arial", Font.PLAIN, 20)); t6.setSize(35,

20); t6.setLocation(280, 264);

t6.setEditable(false);


f.add(t6);

t7 = new JTextField(""); t7.setFont(new

Font("Arial", Font.PLAIN, 20)); t7.setSize(35,
```

```java
20); t7.setLocation(280, 300);

t7.setEditable(false);

f.add(t7); t8 = new JTextField("");

t8.setFont(new Font("Arial", Font.PLAIN, 20));

t8.setSize(35, 20); t8.setLocation(280, 333);

t8.setEditable(false);


f.add(t8); t9 = new JTextField("");

t9.setFont(new Font("Arial", Font.PLAIN, 20));

t9.setSize(35, 20); t9.setLocation(280, 367);

t9.setEditable(false);

f.add(t9); t10 = new JTextField("");

t10.setFont(new Font("Arial", Font.PLAIN, 20));

t10.setSize(35, 20); t10.setLocation(280, 400);

t10.setEditable(false);

f.add(t10); t11 = new JTextField("");

t11.setFont(new Font("Arial", Font.PLAIN, 20));

t11.setSize(35, 20); t11.setLocation(280, 435);

t11.setEditable(false);

f.add(t11); t12 = new JTextField("");

t12.setFont(new Font("Arial", Font.PLAIN, 20));

t12.setSize(35, 20); t12.setLocation(280, 472);

t12.setEditable(false);


f.add(t12);
```

```java
t13 = new JTextField(""); t13.setFont(new
Font("Arial", Font.PLAIN, 20)); t13.setSize(35,
20); t13.setLocation(280, 508);
t13.setEditable(false);

f.add(t13);

s = new JButton("Buy the items");
s.setFont(new Font("Arial", Font.PLAIN, 20));
s.setSize(170, 40);
s.setLocation(200, 580 );
f.add(s);

f.setVisible(true);
b1.addActionListener(this);
b2.addActionListener(this);
b3.addActionListener(this);
b4.addActionListener(this);
b5.addActionListener(this);
b6.addActionListener(this);
b7.addActionListener(this);
b8.addActionListener(this);
b9.addActionListener(this);
b10.addActionListener(this);
b11.addActionListener(this);
```

```java
b12.addActionListener(this);

b13.addActionListener(this);


s.addActionListener(this); a1 = new

JTextArea(); a1.setFont(new Font("Arial",

Font.PLAIN, 15)); a1.setSize(150,70);

a1.setLocation(400, 300);

a1.setLineWrap(true);

f.add(a1);
}


public void actionPerformed(ActionEvent e){
    if(e.getSource()==b1){
    t1.setText(String.valueOf(o));

        o++;


    }o1=(o-1)*5;
    if(e.getSource()==b2){
    t2.setText(String.valueOf(o2));
        o2++;


    } o3=(o2-1)*10;
    if(e.getSource()==b3){
    t3.setText(String.valueOf(o4));
        o4++;
```

```
}o5=(o4-1)*15;
if(e.getSource()==b4){
t4.setText(String.valueOf(o6));
    o6++;


} o7=(o6-1)*8;
if(e.getSource()==b5){
t5.setText(String.valueOf(o8));
    o8++; }
o9=(o8-
1)*12;
if(e.getSource
()==b6){
t6.setText(Stri
ng.valueOf(o1
0));
    o10++; } o11=(o10-1)*20;
if(e.getSource()==b7){
t7.setText(String.valueOf(o12));
    o12++;
} o13=(o12-1)*40;
if(e.getSource()==b8){
t8.setText(String.valueOf(o14));
```

```
    o14++; }o15=(o14-

1)*15;

if(e.getSource()==b9){
    t9.setText(String.valueOf(o16));
    o16++;
}o17=(o16-1)*12;
if(e.getSource()==b10){
t10.setText(String.valueOf(o18)); o18++;

}o19=(o18-1)*60;
if(e.getSource()==b11){
t11.setText(String.valueOf(o20));
    o20++;

}o21=(o20-1)*80;
if(e.getSource()==b12){
t12.setText(String.valueOf(o22));
    o22++;

}o23=(o22-1)*18;
if(e.getSource()==b13){
t13.setText(String.valueOf(o24));
    o16++;
```

```java
}o25=(o24-1)*8; if(e.getSource()==s){

    int
sum=o1+o3+o5+o7+o9+o11+o13+o15+o17+o19+o21+o23+o25;

    a1.setText("Total Ammount: "+String.valueOf(sum));

    a1.setEditable(false);

}


}


public static void main(String args[]){

    new CanteenManagement();

}
}
```

Login

CANTEEN MANAGEMENT SYSTE...

UserName   admin1

Password   •••••

Submit

//MENU LIST

MENU

CANTEEN MANAGEMENT SYSTEM

Item		Qty
Tea	+	7
Coffee	+	2
Juice item	+	1
Samsa/vada	+	4
Veg buffs	+	1
Egg buffs	+	
Dosa	+	
Parota	+	1
poori	+	
Veg Meals	+	3
NonVeg Meals	+	
Chapathi	+	2
Idli	+	1

Total Ammount: 381

Buy the items

Ammount	Date	Time
24	2022-11-15	21:06:28.961860800
45	2022-11-15	21:07:40.831818600
20	2022-11-15	21:09:57.179896500
20	2022-11-15	21:09:58.333753900
23	2022-11-15	22:19:43.390034200
55	2022-11-15	22:22:12.599387100
27	2022-11-15	22:24:58.737290

```java
import javax.swing.*;

//import org.json.JSONObject;


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

import java.awt.event.ActionEvent; import

java.awt.event.ActionListener; import

java.time.LocalDateTime; import
```

```java
java.time.format.DateTimeFormatter;

import java.time.LocalTime; import

javax.swing.table.*;


import java.sql.Connection; import java.sql.DriverManager; import

java.sql.PreparedStatement; import java.sql.ResultSet; import

java.sql.SQLException; import java.sql.Statement; class

CanteenManagement  extends JFrame implements ActionListener{

    JFrame f=new JFrame();

  //  dtm.addColumn("Amount");

    DefaultTableModel dtm;

    JButton b1,b2,b3,b4,b5,b6,b7,b8,b9,b10,b11,b12,b13,s,s1;

    JTextField t1,t2,t3,t4,t5,t6,t7,t8,t9,t10,t11,t12,t13;

    JTextArea a1,a2,a3,a4,a5,a6,a7,a8,a9,a10,a11,a12;

    int
o=1,o1=0,o2=1,o3=0,o4=1,o5=0,o6=1,o7=0,o8=1,o9=0,o10=1,o11=0,o12=1,o13=0,o14=1,
o
15=0,o16=1,o17=0,o18=1,o19=0,o20=1,o21=0,o22=1,o23=0,o24=1,o25=0;

    JTable k;

    Container c;

    JScrollPane sh;

    JLabel l1,l2,l3,l4,l5,l6,l7,l8,l9,l10,l11,l12;

    public CanteenManagement(){

    f.setSize(500,500);

    f.setBounds(300, 100, 730, 860);

    f.setLayout(null);
```

```java
l1.setFont(new Font("Arial", Font.PLAIN, 20));

l1.setSize(100, 89); l1.setLocation(50, 50);

f.add(l1);

l2 = new JLabel("Coffee"); l2.setFont(new
Font("Arial", Font.PLAIN, 20)); l2.setSize(100,
130); l2.setLocation(50, 70);
f.add(l2);
l3 = new JLabel("Juice item"); l3.setFont(new
Font("Arial", Font.PLAIN, 20)); l3.setSize(100,
130); l3.setLocation(50, 105);
f.add(l3);

l4 = new JLabel("Samsa/vada");
l4.setFont(new Font("Arial", Font.PLAIN, 20));
l4.setSize(150, 150); l4.setLocation(50, 132);
f.add(l4);

l5 = new JLabel("Veg buffs"); l5.setFont(new
Font("Arial", Font.PLAIN, 20)); l5.setSize(150,
150); l5.setLocation(50, 165);
f.add(l5); l6 = new JLabel("Egg buffs");

l6.setFont(new Font("Arial", Font.PLAIN, 20));

l6.setSize(150, 150); l6.setLocation(50, 200);

f.add(l6);
```

```java
 l7 = new JLabel("Dosa"); l7.setFont(new
Font("Arial", Font.PLAIN, 20)); l7.setSize(150,
150);

l7.setLocation(50, 237);
f.add(l7);


 l8 = new JLabel("Parota"); l8.setFont(new
Font("Arial", Font.PLAIN, 20)); l8.setSize(150,
150); l8.setLocation(50, 269);
f.add(l8);


 l8 = new JLabel("poori"); l8.setFont(new
Font("Arial", Font.PLAIN, 20)); l8.setSize(150,
150); l8.setLocation(50, 300);
f.add(l8);


 l9 = new JLabel("Veg Meals"); l9.setFont(new
Font("Arial", Font.PLAIN, 20)); l9.setSize(150,
150); l9.setLocation(50, 335);
f.add(l9);



 l10 = new JLabel("NonVeg Meals");
l10.setFont(new Font("Arial", Font.PLAIN,
20)); l10.setSize(150, 150);
l10.setLocation(50, 372);
f.add(l10);
```

```java
l11 = new JLabel("Chapathi"); l11.setFont(new

Font("Arial", Font.PLAIN, 20));

l11.setSize(150, 150); l11.setLocation(50,

407);

f.add(l11);


l12 = new JLabel("Idli"); l12.setFont(new

Font("Arial", Font.PLAIN, 20));

l12.setSize(150, 150); l12.setLocation(50,

440);

f.add(l12); b1 = new JButton("+");

b1.setFont(new Font("Arial", Font.PLAIN, 20));

b1.setSize(100, 20); b1.setLocation(240, 80 );

f.add(b1);


b2 = new JButton("+"); b2.setFont(new

Font("Arial", Font.PLAIN, 20)); b2.setSize(100,

20); b2.setLocation(240, 118 );

f.add(b2);


b3 = new JButton("+"); b3.setFont(new

Font("Arial", Font.PLAIN, 20)); b3.setSize(100,

20);

b3.setLocation(240, 156 );

f.add(b3);
```

```java
b4 = new JButton("+"); b4.setFont(new

Font("Arial", Font.PLAIN, 20)); b4.setSize(100,

20); b4.setLocation(240, 194 );

f.add(b4);


b5 = new JButton("+"); b5.setFont(new

Font("Arial", Font.PLAIN, 20)); b5.setSize(100,

20); b5.setLocation(240, 230 );

f.add(b5);


b6 = new JButton("+"); b6.setFont(new

Font("Arial", Font.PLAIN, 20)); b6.setSize(100,

20); b6.setLocation(240, 263 );

f.add(b6); b7 = new JButton("+");

b7.setFont(new Font("Arial", Font.PLAIN, 20));

b7.setSize(100, 20); b7.setLocation(240, 299

);

f.add(b7);

b8 = new JButton("+"); b8.setFont(new

Font("Arial", Font.PLAIN, 20)); b8.setSize(100,

20); b8.setLocation(240, 333 );

f.add(b8);


 b9 = new JButton("+"); b9.setFont(new

Font("Arial", Font.PLAIN, 20)); b9.setSize(100,

20); b9.setLocation(240, 367);
```

```java
f.add(b9); b10 = new JButton("+");

b10.setFont(new Font("Arial", Font.PLAIN, 20));

b10.setSize(100, 20); b10.setLocation(240, 400

);

f.add(b10); b11 = new JButton("+");

b11.setFont(new Font("Arial", Font.PLAIN,

20)); b11.setSize(100, 20);

b11.setLocation(240, 435);

f.add(b11);
 b12 = new JButton("+"); b12.setFont(new

Font("Arial", Font.PLAIN, 20));

b12.setSize(100, 20); b12.setLocation(240,

472);

f.add(b12);


 b13 = new JButton("+"); b13.setFont(new

Font("Arial", Font.PLAIN, 20));

b13.setSize(100, 20); b13.setLocation(240,

508);

f.add(b13);


t1 = new JTextField(""); t1.setFont(new

Font("Arial", Font.PLAIN, 20)); t1.setSize(100,

20); t1.setLocation(339, 80);
```

```java
f.add(t1);

t2 = new JTextField(""); t2.setFont(new
Font("Arial", Font.PLAIN, 20)); t2.setSize(100,
20); t2.setLocation(339, 118);
f.add(t2);

 t3 = new JTextField(""); t3.setFont(new
Font("Arial", Font.PLAIN, 20)); t3.setSize(100,
20); t3.setLocation(339, 156);

f.add(t3);

t4 = new JTextField(""); t4.setFont(new
Font("Arial", Font.PLAIN, 20)); t4.setSize(100,
20); t4.setLocation(339, 195);
f.add(t4);

 t5 = new JTextField(""); t5.setFont(new
Font("Arial", Font.PLAIN, 20)); t5.setSize(100,
20); t5.setLocation(339, 230);
f.add(t5);

t6 = new JTextField(""); t6.setFont(new
 Font("Arial", Font.PLAIN, 20)); t6.setSize(100,
 20); t6.setLocation(339, 264);
f.add(t6);
```

```java
t7 = new JTextField(""); t7.setFont(new

Font("Arial", Font.PLAIN, 20)); t7.setSize(100,

20); t7.setLocation(339, 300);

f.add(t7);


t8 = new JTextField(""); t8.setFont(new

Font("Arial", Font.PLAIN, 20)); t8.setSize(100,

20); t8.setLocation(339, 333);

f.add(t8);


t9 = new JTextField(""); t9.setFont(new

Font("Arial", Font.PLAIN, 20)); t9.setSize(100,

20); t9.setLocation(339, 367);

f.add(t9); t10 = new JTextField("");

 t10.setFont(new Font("Arial", Font.PLAIN, 20));

 t10.setSize(100, 20); t10.setLocation(339,

 400);

f.add(t10); t11 = new JTextField("");

 t11.setFont(new Font("Arial", Font.PLAIN,

 20)); t11.setSize(100, 20);

 t11.setLocation(339, 435);

f.add(t11);
```

```java
t12 = new JTextField(""); t12.setFont(new

Font("Arial", Font.PLAIN, 20)); t12.setSize(100,

20); t12.setLocation(339, 472);


f.add(t12);



t13 = new JTextField(""); t13.setFont(new

Font("Arial", Font.PLAIN, 20)); t13.setSize(100,

20); t13.setLocation(339, 508);

f.add(t13);



s = new JButton("Buy the items");

s.setFont(new Font("Arial", Font.PLAIN, 20));

s.setSize(170, 40);

s.setLocation(200, 580 );

f.add(s);



s1 = new JButton("view price");

s1.setFont(new Font("Arial", Font.PLAIN, 20));

s1.setSize(170, 40); s1.setLocation(500, 580

);

f.add(s1);



f.setVisible(true);

b1.addActionListener(this);

b2.addActionListener(this);

b3.addActionListener(this);

b4.addActionListener(this);
```

```java
b5.addActionListener(this);

b6.addActionListener(this);

b7.addActionListener(this);

b8.addActionListener(this);

b9.addActionListener(this);

b10.addActionListener(this);

b11.addActionListener(this);

b12.addActionListener(this);

b13.addActionListener(this);

s1.addActionListener(this);

    s.addActionListener(this); a1 = new

JTextArea(); a1.setFont(new Font("Arial",

Font.PLAIN, 15)); a1.setSize(150,150);

a1.setLocation(500, 300);

a1.setLineWrap(true);

f.add(a1);
}

public void actionPerformed(ActionEvent e){
```

```java
if(e.getSource()==b1){

    t1.setText(String.valueOf(o));

    o++;


}o1=(o-1)*5;
 if(e.getSource()==b2){

 t2.setText(String.valueOf(o2));

 o2++;


}
 o3=(o2-1)*10;


 if(e.getSource()==b3){

  t3.setText(String.valueOf(o4));

  o4++;


}o5=(o4-1)*15;
 if(e.getSource()==b4){

 t4.setText(String.valueOf(o6));

 o6++;


}
 o7=(o6-1)*8;
 if(e.getSource()==b5){

 t5.setText(String.valueOf(o8));

 o8++;
```

```java
        }
o9=(o8-1)*12;


    if(e.getSource()==b6){
    t6.setText(String.valueOf(o10));
     o10++;


}
o11=(o10-1)*20;


     if(e.getSource()==b7){
    t7.setText(String.valueOf(o12));
     o12++;


     }

o13=(o12-1)*40;


 if(e.getSource()==b8){

t8.setText(String.valueOf(o14));

o14++; }o15=(o14-1)*15;


if(e.getSource()==b9){

t9.setText(String.valueOf(o16));

o16++; }o17=(o16-1)*12;
```

```java
if(e.getSource()==b10){

 t10.setText(String.valueOf(o18));

  o18++;


}o19=(o18-1)*60;

 if(e.getSource()==b11){

 t11.setText(String.valueOf(o20));

 o20++;


}o21=(o20-1)*80;

 if(e.getSource()==b12){

 t12.setText(String.valueOf(o22));

 o22++;


}o23=(o22-1)*18;

 if(e.getSource()==b13){

 t13.setText(String.valueOf(o24));

 o16++;


}o25=(o24-1)*8; if(e.getSource()==s){ int
sum=o1+o3+o5+o7+o9+o11+o13+o15+o17+o19+o21+o23+o25;
String h1=java.time.LocalDate.now().toString();
String h3=Integer.toString(sum);


String h2=LocalTime.now().toString(); a1.setText("Total Ammount:
 "+String.valueOf(sum) +"\n"+ h1+"\n"+h2);
 System.out.print("hbfc");
 String ju="jdbc:postgresql://localhost:5432/canteendb";
```

```java
        String un="Admin";

        String Pa="1234";

        try {

        // String sql="INSERT INTO weatherhistory VALUES
("'"+formattedDate+"','"+r1+"','"+cit    +"')" ;


        Connection con=DriverManager.getConnection(ju,un,Pa);

        String sql="INSERT INTO info(amount, date,
time)"+"VALUES('"+h3+"','"+h1+"','"+h2+"')";

        Statement st=con.createStatement();

        st.executeUpdate(sql);


        }

        catch(Exception nh) {

        System.out.print("fhefb");

        }

        }

        if(e.getSource()==s1) {

        poda pp=new poda();


        }


    }


    public static void main(String args[]){

    new CanteenManagement();


    }
```

RESULT:

        Thus the java GUI applications for Canteen Management is designed and provide appropriate with event handling