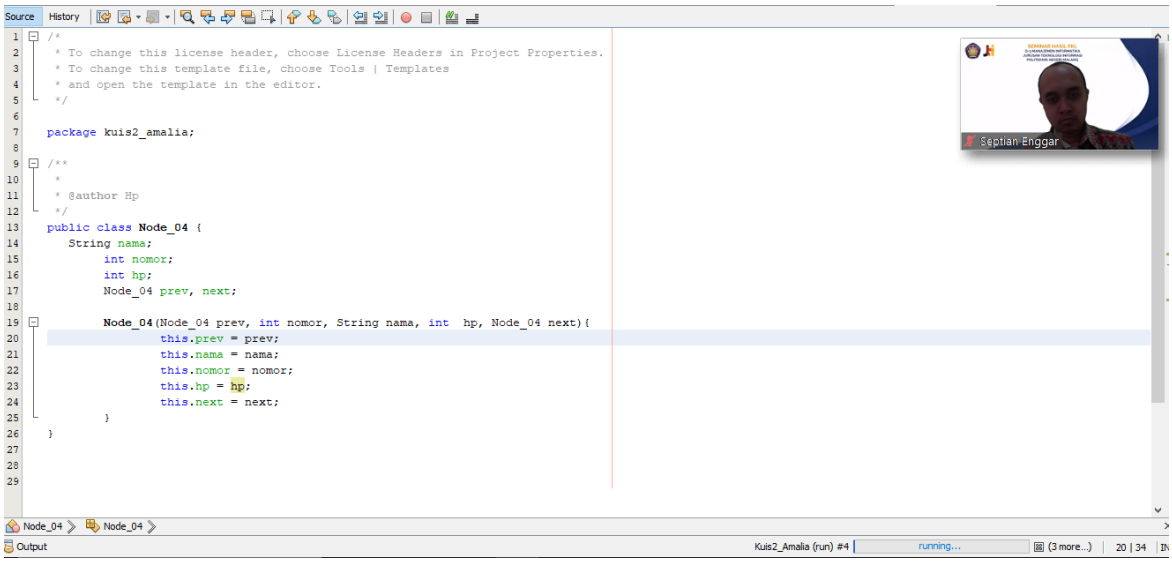
Amalia Salsa Lutfiana

1G/04/2141720228

Kuis2 ASD Praktikum

Class Node_04




```
/*
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 * and open the template in the editor.
 */

package kuis2_amalia;

/**
 *
 * @author Hp
 */
public class Node_04 {
   String nama;
        int nomor;
        int hp;
        Node_04 prev, next;

        Node_04(Node_04 prev, int nomor, String nama, int  hp, Node_04 next){
                this.prev = prev;
                this.nama = nama;
                this.nomor = nomor;
                this.hp = hp;
                this.next = next;
        }
}
```
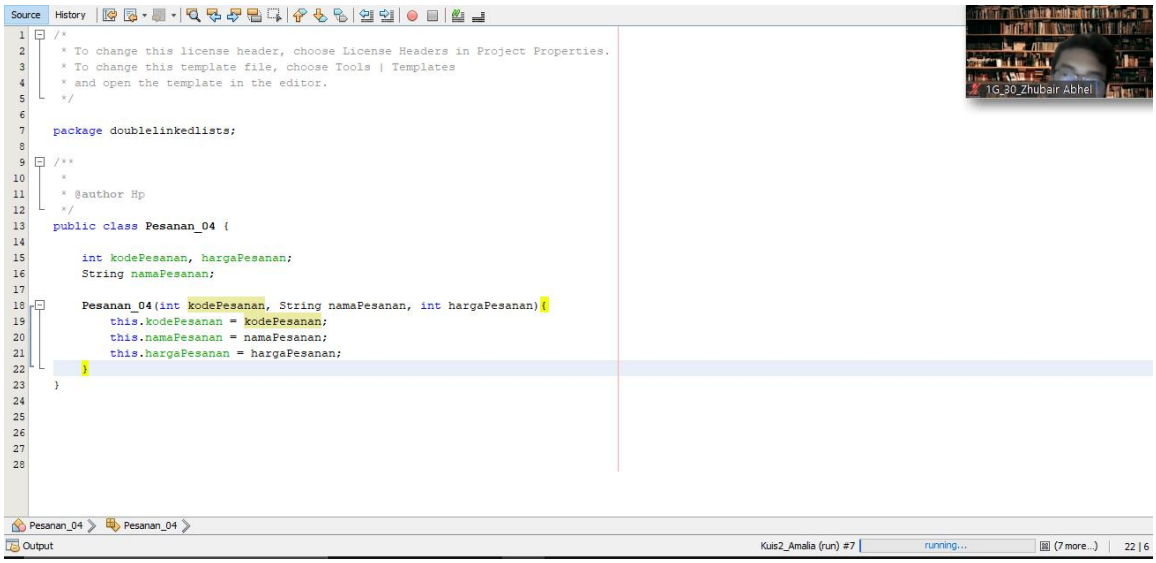

Class Pembeli_04




```
/*
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 */

package doublelinkedlists;

/**
 *
 * @author Hp
 */
public class Pesanan_04 {

    int kodePesanan, hargaPesanan;
    String namaPesanan;

    Pesanan_04(int kodePesanan, String namaPesanan, int hargaPesanan){
        this.kodePesanan = kodePesanan;
        this.namaPesanan = namaPesanan;
        this.hargaPesanan = hargaPesanan;
    }
}
```
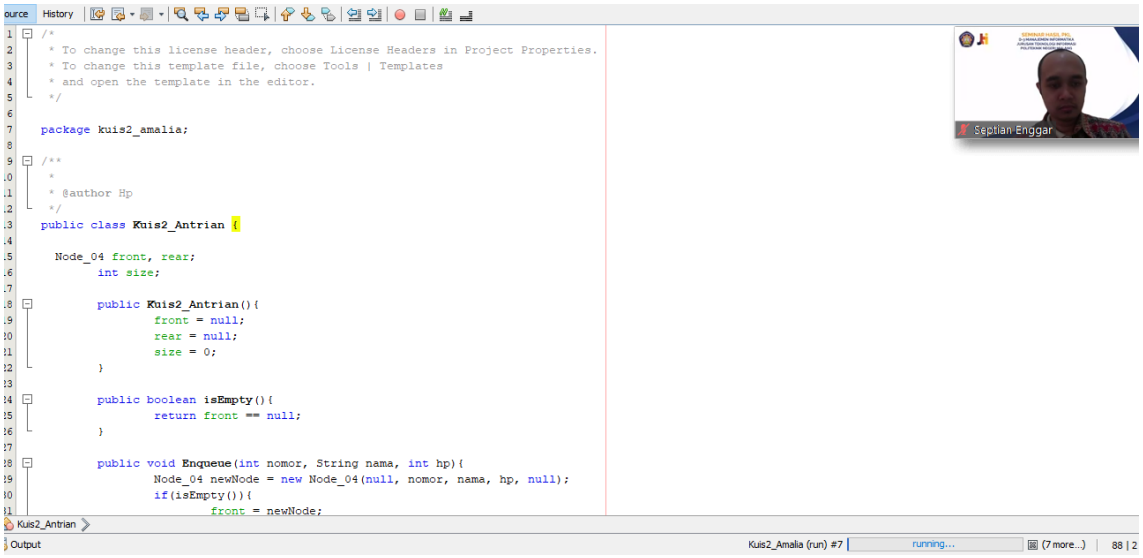

Class Kuis2_Antrian




```
/*
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 * and open the template in the editor.
 */

package kuis2_amalia;

/**
 *
 * @author Hp
 */
public class Kuis2_Antrian {

    Node_04 front, rear;
        int size;

        public Kuis2_Antrian(){
                front = null;
                rear = null;
                size = 0;
        }

        public boolean isEmpty(){
                return front == null;
        }

        public void Enqueue(int nomor, String nama, int hp){
                Node_04 newNode = new Node_04(null, nomor, nama, hp, null);
                if(isEmpty()){
                        front = newNode;
```
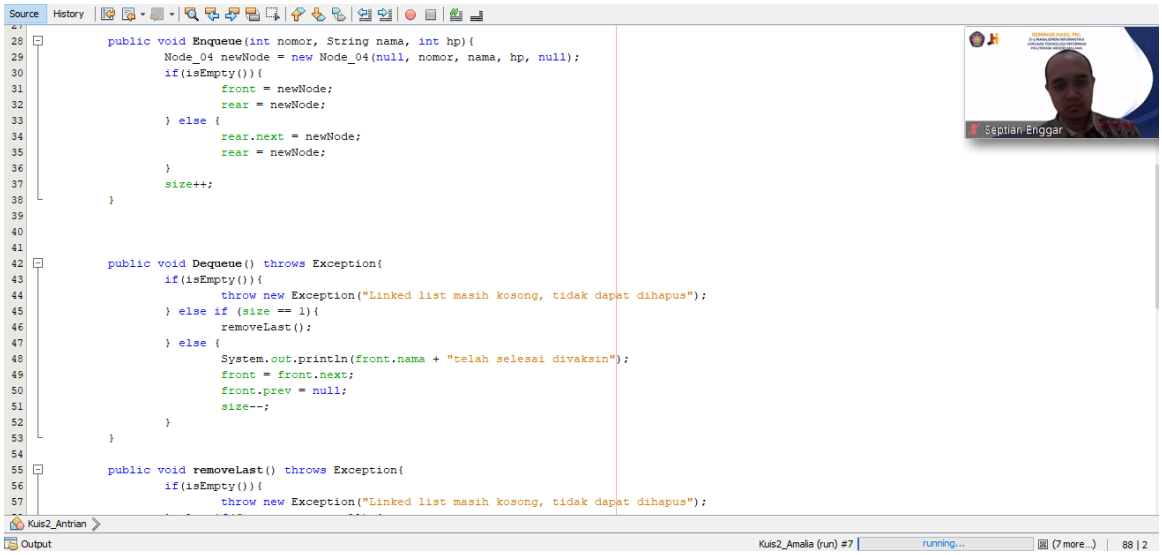
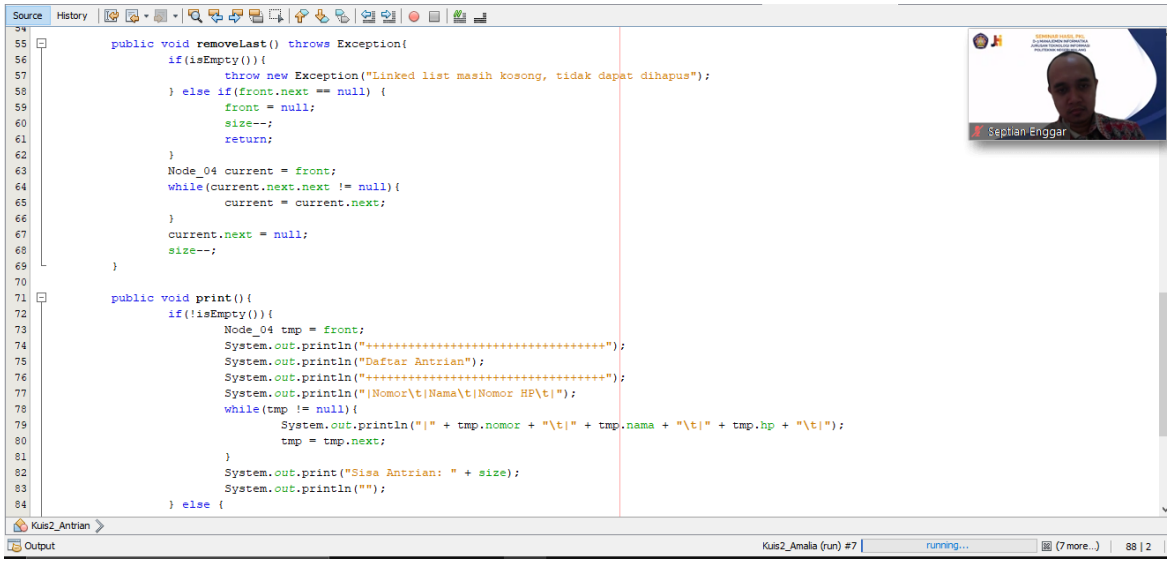
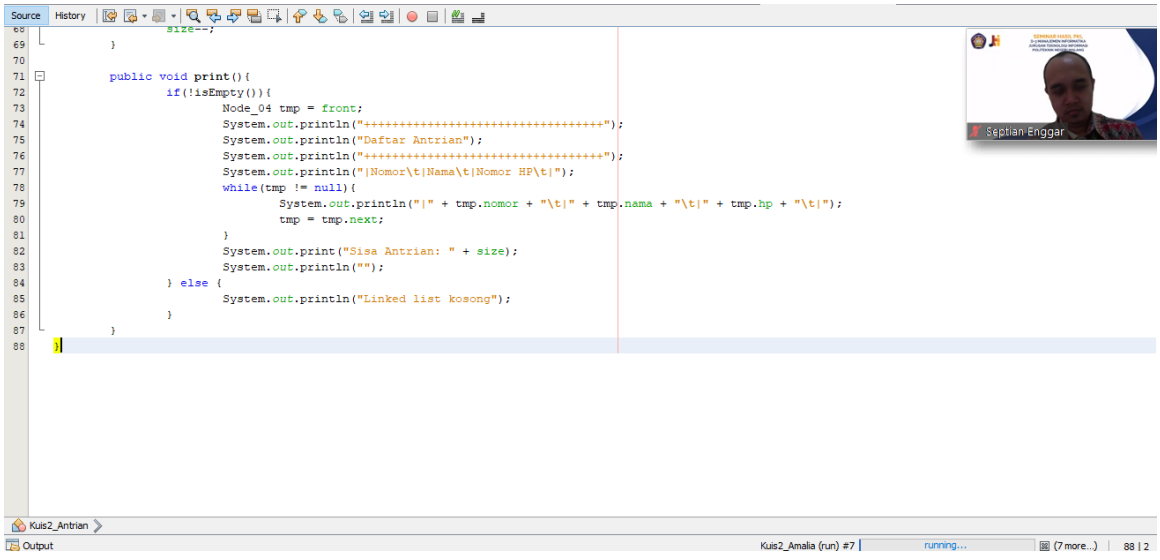




```
        public void Enqueue(int nomor, String nama, int hp){
                Node_04 newNode = new Node_04(null, nomor, nama, hp, null);
                if(isEmpty()){
                        front = newNode;
                        rear = newNode;
                } else {
                        rear.next = newNode;
                        rear = newNode;
                }
                size++;
        }



        public void Dequeue() throws Exception{
                if(isEmpty()){
                        throw new Exception("Linked list masih kosong, tidak dapat dihapus");
                } else if (size == 1){
                        removeLast();
                } else {
                        System.out.println(front.nama + "telah selesai divaksin");
                        front = front.next;
                        front.prev = null;
                        size--;
                }
        }

        public void removeLast() throws Exception{
                if(isEmpty()){
                        throw new Exception("Linked list masih kosong, tidak dapat dihapus");
```

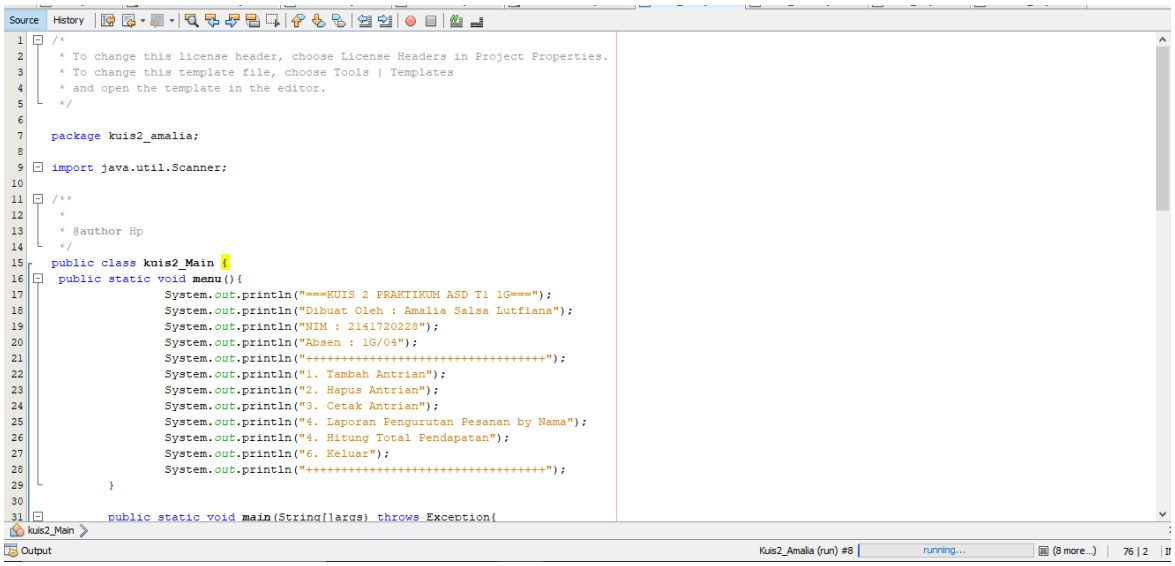



```
55      public void removeLast() throws Exception{
56              if(isEmpty()){
57                      throw new Exception("Linked list masih kosong, tidak dapat dihapus");
58              } else if(front.next == null) {
59                      front = null;
60                      size--;
61                      return;
62              }
63              Node_04 current = front;
64              while(current.next.next != null){
65                      current = current.next;
66              }
67              current.next = null;
68              size--;
69      }
70
71      public void print(){
72              if(!isEmpty()){
73                      Node_04 tmp = front;
74                      System.out.println("+++++++++++++++++++++++++++++++++++");
75                      System.out.println("Daftar Antrian");
76                      System.out.println("+++++++++++++++++++++++++++++++++++");
77                      System.out.println("|Nomor\t|Nama\t|Nomor HP\t|");
78                      while(tmp != null){
79                              System.out.println("|" + tmp.nomor + "\t|" + tmp.nama + "\t|" + tmp.hp + "\t|");
80                              tmp = tmp.next;
81                      }
82                      System.out.print("Sisa Antrian: " + size);
83                      System.out.println("");
84              } else {
```




```
68              size--;
69      }
70
71      public void print(){
72              if(!isEmpty()){
73                      Node_04 tmp = front;
74                      System.out.println("+++++++++++++++++++++++++++++++++++");
75                      System.out.println("Daftar Antrian");
76                      System.out.println("+++++++++++++++++++++++++++++++++++");
77                      System.out.println("|Nomor\t|Nama\t|Nomor HP\t|");
78                      while(tmp != null){
79                              System.out.println("|" + tmp.nomor + "\t|" + tmp.nama + "\t|" + tmp.hp + "\t|");
80                              tmp = tmp.next;
81                      }
82                      System.out.print("Sisa Antrian: " + size);
83                      System.out.println("");
84              } else {
85                      System.out.println("Linked list kosong");
86              }
87      }
88  }
```

Class Kuis2_Main



```
/*
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 */

package kuis2_amalia;

import java.util.Scanner;

/**
 *
 * @author Hp
 */
public class kuis2_Main {
 public static void menu(){
                System.out.println("===KUIS 2 PRAKTIKUM ASD T1 1G===");
                System.out.println("Dibuat Oleh : Amalia Salsa Lutfiana");
                System.out.println("NIM : 2141720228");
                System.out.println("Absen : 1G/04");
                System.out.println("++++++++++++++++++++++++++++++++++");
                System.out.println("1. Tambah Antrian");
                System.out.println("2. Hapus Antrian");
                System.out.println("3. Cetak Antrian");
                System.out.println("4. Laporan Pengurutan Pesanan by Nama");
                System.out.println("4. Hitung Total Pendapatan");
                System.out.println("6. Keluar");
                System.out.println("++++++++++++++++++++++++++++++++++");
        }

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

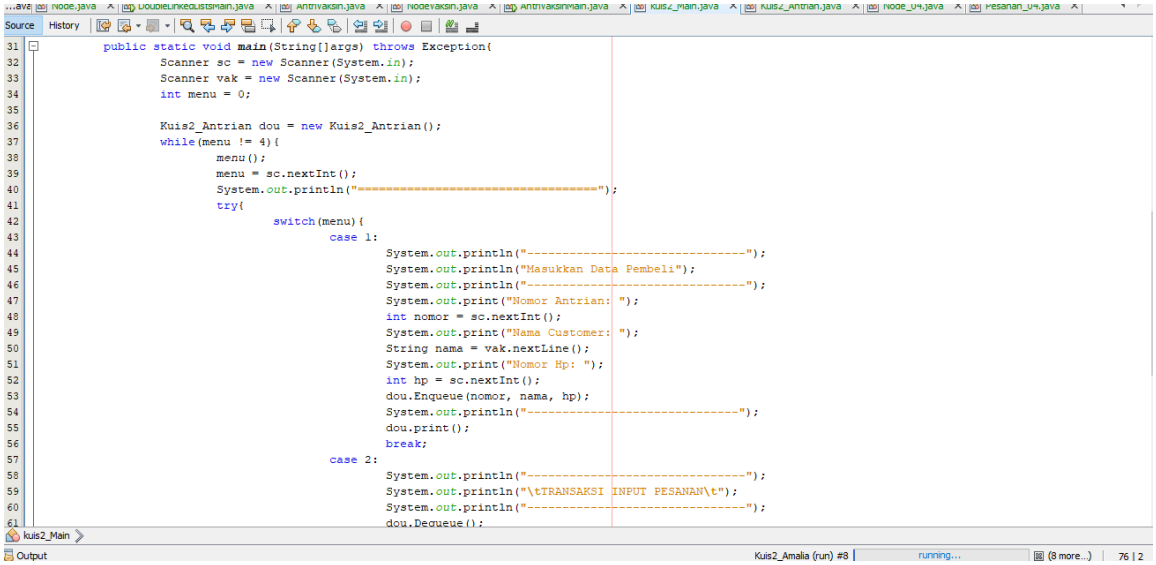

```
        public static void main(String[]args) throws Exception{
                Scanner sc = new Scanner(System.in);
                Scanner vak = new Scanner(System.in);
                int menu = 0;

                Kuis2_Antrian dou = new Kuis2_Antrian();
                while(menu != 4){
                        menu();
                        menu = sc.nextInt();
                        System.out.println("================================");
                        try{
                                switch(menu){
                                        case 1:
                                                System.out.println("--------------------------------");
                                                System.out.println("Masukkan Data Pembeli");
                                                System.out.println("--------------------------------");
                                                System.out.print("Nomor Antrian: ");
                                                int nomor = sc.nextInt();
                                                System.out.print("Nama Customer: ");
                                                String nama = vak.nextLine();
                                                System.out.print("Nomor Hp: ");
                                                int hp = sc.nextInt();
                                                dou.Enqueue(nomor, nama, hp);
                                                System.out.println("------------------------------");
                                                dou.print();
                                                break;
                                        case 2:
                                                System.out.println("--------------------------------");
                                                System.out.println("\tTRANSAKSI INPUT PESANAN\t");
                                                System.out.println("--------------------------------");
                                                dou.Dequeue();
```

```
Source  History
                                        break;
                                case 2:
                                        System.out.println("--------------------------------");
                                        System.out.println("\tTRANSAKSI INPUT PESANAN\t");
                                        System.out.println("--------------------------------");
                                        dou.Dequeue();
                                        dou.print();
                                        break;
                                case 3:
                                        dou.print();
                                        break;
                                case 4:
                                        System.out.println("Keluar");
                                        break;
                                }
                                System.out.println();
                        }catch (Exception e){
                        }
                }
        }
}
```

kuis2_Main

Output — Kuis2_Amalia (run) #8 — running... — (8 more...) — 76 | 2 — INS

Output:

AntriVaksin - NetBeans IDE 7.4

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<default config>

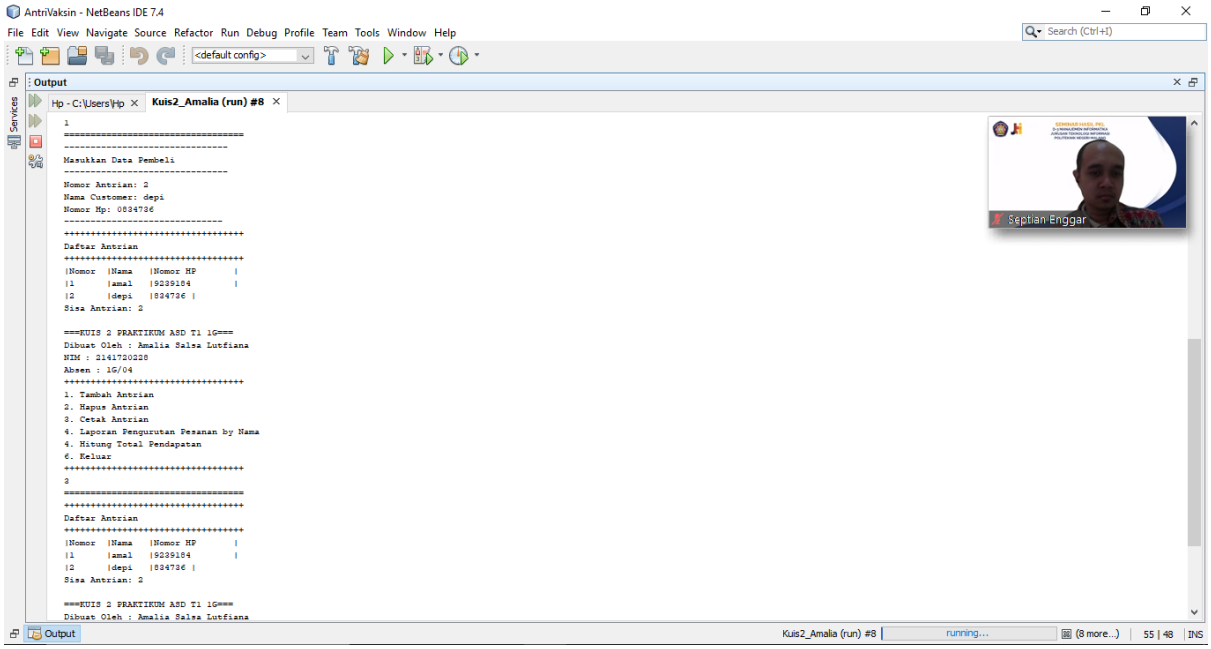
Output

Hp - C:\Users\Hp | Kuis2_Amalia (run) #8

```
run:
===KUIS 2 PRAKTIKUM ASD T1 1G===
Dibuat Oleh : Amalia Salsa Lutfiana
NIM : 2141720228
Absen : 1G/04
++++++++++++++++++++++++++++++++++
1. Tambah Antrian
2. Hapus Antrian
3. Cetak Antrian
4. Laporan Pengurutan Pesanan by Nama
4. Hitung Total Pendapatan
6. Keluar
++++++++++++++++++++++++++++++++++
1
==================================
--------------------------------
Masukkan Data Pembeli
--------------------------------
Nomor Antrian: 1
Nama Customer: amal
Nomor Hp: 09239184
--------------------------------
++++++++++++++++++++++++++++++++++
Daftar Antrian
++++++++++++++++++++++++++++++++++
|Nomor  |Nama   |Nomor HP       |
|1      |amal   |9239184        |
Sisa Antrian: 1

===KUIS 2 PRAKTIKUM ASD T1 1G===
Dibuat Oleh : Amalia Salsa Lutfiana
NIM : 2141720228
Absen : 1G/04
++++++++++++++++++++++++++++++++++
1. Tambah Antrian
2. Hapus Antrian
3. Cetak Antrian
4. Laporan Pengurutan Pesanan by Nama
4. Hitung Total Pendapatan
6. Keluar
++++++++++++++++++++++++++++++++++
```

Output — Kuis2_Amalia (run) #8 — running... — (8 more...) — 55 | 48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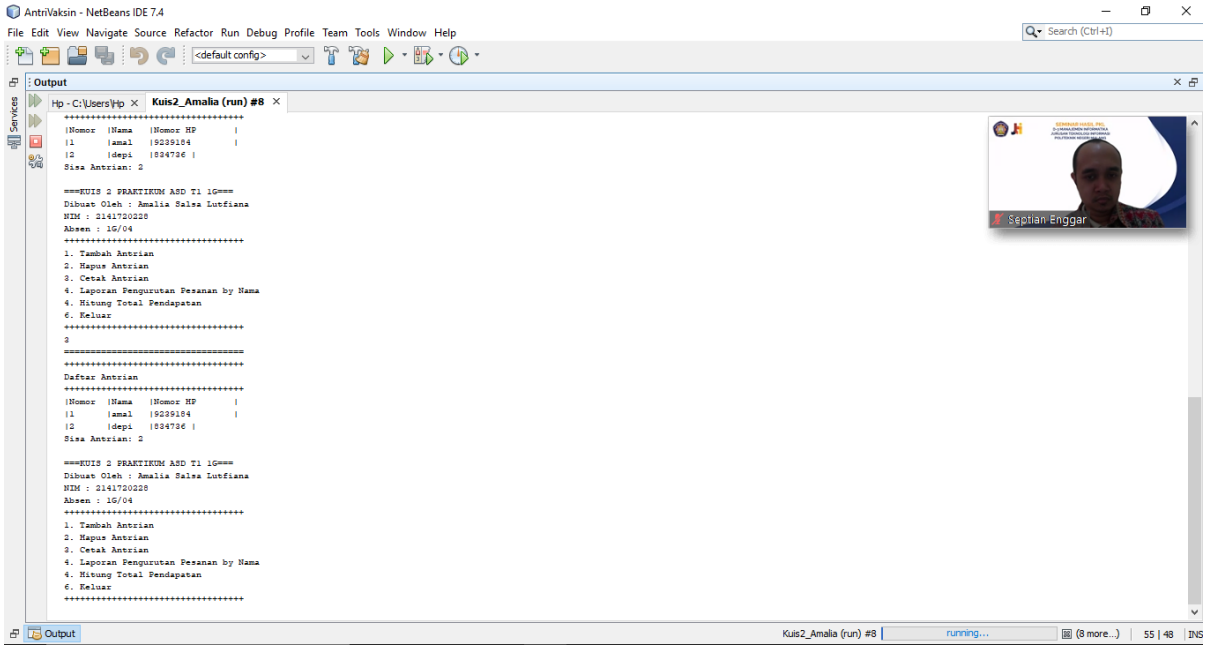
<default config>
Output
Hp - C:\Users\Hp
Kuis2_Amalia (run) #8
1
==========

Masukkan Data Pembeli

Nomor Antrian: 2
Nama Customer: depi
Nomor Hp: 0834736

++++++++++++++++++++++++++++++++++++
Daftar Antrian
++++++++++++++++++++++++++++++++++++
Nomor	Nama	Nomor HP
1	amal	9239184
2	depi	834736
Sisa Antrian: 2
===KUIS 2 PRAKTIKUM ASD T1 1G===
Dibuat Oleh : Amalia Salsa Lutfiana
NIM : 2141720226
Absen : 1G/04
++++++++++++++++++++++++++++++++++
1. Tambah Antrian
2. Hapus Antrian
3. Cetak Antrian
4. Laporan Pengurutan Pesanan by Nama
4. Hitung Total Pendapatan
6. Keluar
++++++++++++++++++++++++++++++++++
2
==========
++++++++++++++++++++++++++++++++++++
Daftar Antrian
++++++++++++++++++++++++++++++++++++
Nomor	Nama	Nomor HP
1	amal	9239184
2	depi	834736
Sisa Antrian: 2
===KUIS 2 PRAKTIKUM ASD T1 1G===
Dibuat Oleh : Amalia Salsa Lutfiana
Septian Enggar
Output
Kuis2_Amalia (run) #8
running...
(8 more...)
55 | 48
INS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Search (Ctrl+I)
<default config>
Output
Hp - C:\Users\Hp
Kuis2_Amalia (run) #8
++++++++++++++++++++++++++++++++++++
Nomor	Nama	Nomor HP
1	amal	9239184
2	depi	834736
Sisa Antrian: 2
===KUIS 2 PRAKTIKUM ASD T1 1G===
Dibuat Oleh : Amalia Salsa Lutfiana
NIM : 2141720226
Absen : 1G/04
++++++++++++++++++++++++++++++++++
1. Tambah Antrian
2. Hapus Antrian
3. Cetak Antrian
4. Laporan Pengurutan Pesanan by Nama
4. Hitung Total Pendapatan
6. Keluar
++++++++++++++++++++++++++++++++++
2
==========
++++++++++++++++++++++++++++++++++++
Daftar Antrian
++++++++++++++++++++++++++++++++++++
Nomor	Nama	Nomor HP
1	amal	9239184
2	depi	834736
Sisa Antrian: 2
===KUIS 2 PRAKTIKUM ASD T1 1G===
Dibuat Oleh : Amalia Salsa Lutfiana
NIM : 2141720226
Absen : 1G/04
++++++++++++++++++++++++++++++++++
1. Tambah Antrian
2. Hapus Antrian
3. Cetak Antrian
4. Laporan Pengurutan Pesanan by Nama
4. Hitung Total Pendapatan
6. Keluar
++++++++++++++++++++++++++++++++++
Septian Enggar
Output
Kuis2_Amalia (run) #8
running...
(8 more...)
55 | 48
INS