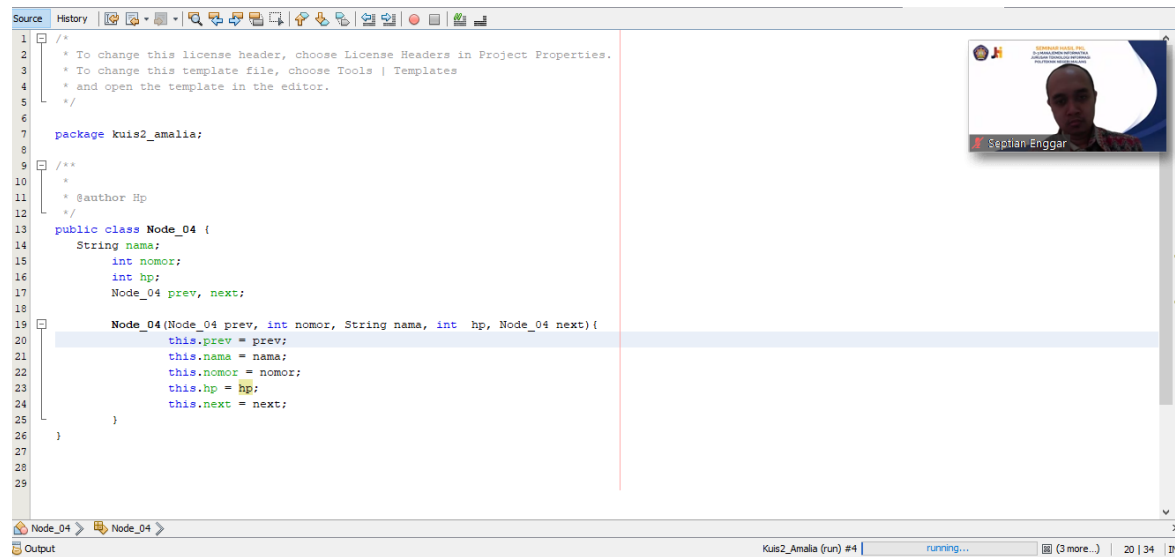


Amalia Salsa Lutfiana

1G/04/2141720228

Kuis2 ASD Praktikum

Class Node_04

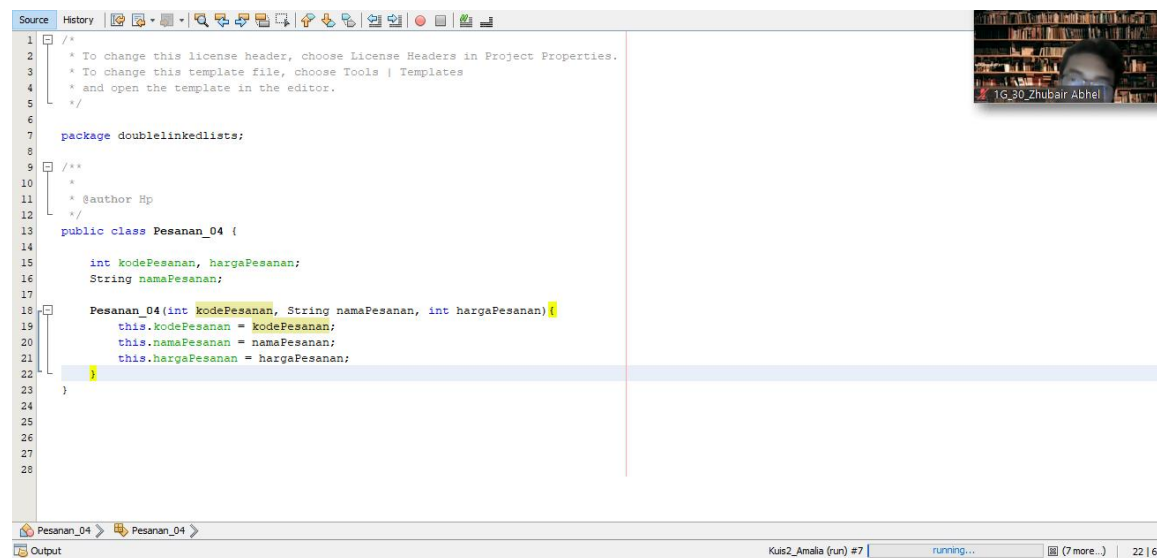


```
1  /*
2  * To change this license header, choose License Headers in Project Properties.
3  * To change this template file, choose Tools | Templates
4  * and open the template in the editor.
5  */
6
7  package kuis2_amalia;
8
9
10 /*
11 *
12 * @author Hp
13 */
14 public class Node_04 {
15     String nama;
16     int nomor;
17     int hp;
18     Node_04 prev, next;
19
20     Node_04(Node_04 prev, int nomor, String nama, int hp, Node_04 next){
21         this.prev = prev;
22         this.nama = nama;
23         this.nomor = nomor;
24         this.hp = hp;
25         this.next = next;
26     }
27
28
29 }
```

Node_04 ▶ Node_04 ▶

Output Kuis2_Amalia (run) #4 running... (3 more...) 20 | 34 IN

Class Pembeli_04

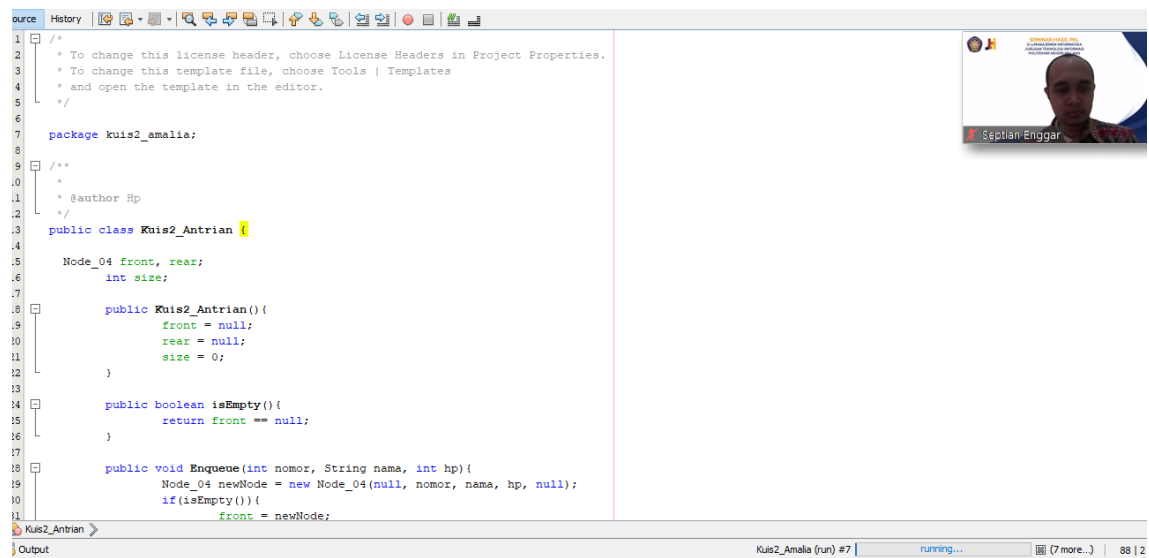


```
1  /*
2  * To change this license header, choose License Headers in Project Properties.
3  * To change this template file, choose Tools | Templates
4  * and open the template in the editor.
5  */
6
7  package doublelinkedlists;
8
9
10 /*
11 *
12 * @author Hp
13 */
14 public class Pesanan_04 {
15     int kodePesanan, hargaPesanan;
16     String namaPesanan;
17
18     Pesanan_04(int kodePesanan, String namaPesanan, int hargaPesanan){
19         this.kodePesanan = kodePesanan;
20         this.namaPesanan = namaPesanan;
21         this.hargaPesanan = hargaPesanan;
22     }
23
24
25
26
27
28 }
```

Pesanan_04 ▶ Pesanan_04 ▶

Output Kuis2_Amalia (run) #7 running... (7 more...) 22 | 6

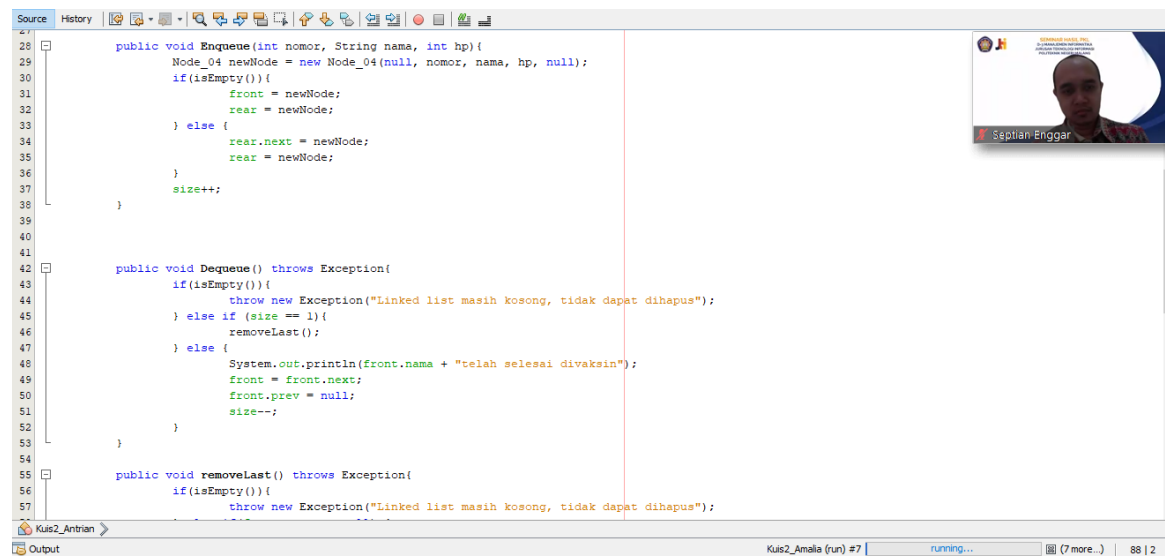
Class Kuis2_Antrian



```
1  /*
2  * To change this license header, choose License Headers in Project Properties.
3  * To change this template file, choose Tools | Templates
4  * and open the template in the editor.
5  */
6
7  package kuis2_amalia;
8
9  /**
10   *
11   * @author Hp
12   */
13  public class Kuis2_Antrian {
14
15      Node_04 front, rear;
16      int size;
17
18      public Kuis2_Antrian() {
19          front = null;
20          rear = null;
21          size = 0;
22      }
23
24      public boolean isEmpty() {
25          return front == null;
26      }
27
28      public void Enqueue(int nomor, String nama, int hp) {
29          Node_04 newNode = new Node_04(null, nomor, nama, hp, null);
30          if (isEmpty()) {
31              front = newNode;
32          }
33      }
34
35      public void Dequeue() throws Exception {
36          if (isEmpty()) {
37              throw new Exception("Linked list masih kosong, tidak dapat dihapus");
38          } else if (size == 1) {
39              removeLast();
40          } else {
41              System.out.println(front.nama + "telah selesai divaksin");
42              front = front.next;
43              front.prev = null;
44              size--;
45          }
46      }
47
48      public void removeLast() throws Exception {
49          if (isEmpty()) {
50              throw new Exception("Linked list masih kosong, tidak dapat dihapus");
51          }
52      }
53  }
```

Kuis2_Antrian

Kuis2_Amalia (run) #7 | running... | 88 | 2



```
28      public void Enqueue(int nomor, String nama, int hp) {
29          Node_04 newNode = new Node_04(null, nomor, nama, hp, null);
30          if (isEmpty()) {
31              front = newNode;
32              rear = newNode;
33          } else {
34              rear.next = newNode;
35              rear = newNode;
36          }
37          size++;
38      }
39
40
41
42      public void Dequeue() throws Exception {
43          if (isEmpty()) {
44              throw new Exception("Linked list masih kosong, tidak dapat dihapus");
45          } else if (size == 1) {
46              removeLast();
47          } else {
48              System.out.println(front.nama + "telah selesai divaksin");
49              front = front.next;
50              front.prev = null;
51              size--;
52          }
53      }
54
55      public void removeLast() throws Exception {
56          if (isEmpty()) {
57              throw new Exception("Linked list masih kosong, tidak dapat dihapus");
58          }
59      }
60  }
```

Kuis2_Antrian

Kuis2_Amalia (run) #7 | running... | 88 | 2

```
Source History
54
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.nomer + "\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
86         }
87     }
88 }
```

Kuis2_Antrian

Output

Kuis2_Amalia (run) #7 running... 88 | 2

```
Source History
68
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.nomer + "\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 }
```

Kuis2_Antrian

Output

Kuis2_Amalia (run) #7 running... 88 | 2

Class Kuis2_Main

```
Source History
1  /*
2   * To change this license header, choose License Headers in Project Properties.
3   * To change this template file, choose Tools | Templates
4   * and open the template in the editor.
5   */
6
7   package kuis2_amalia;
8
9   import java.util.Scanner;
10
11  /**
12   *
13   * @author Hp
14   */
15  public class kuis2_Main {
16      public static void menu() {
17          System.out.println("====KUIS 2 PRAKTIKUM ASD TI 1G====");
18          System.out.println("Dibuat Oleh : Amalia Salsa Lutfiana");
19          System.out.println("NIM : 2141720228");
20          System.out.println("Absen : 16/04");
21          System.out.println("+++++");
22          System.out.println("1. Tambah Antrian");
23          System.out.println("2. Hapus Antrian");
24          System.out.println("3. Cetak Antrian");
25          System.out.println("4. Laporan Pengurutan Pesanan by Nama");
26          System.out.println("4. Hitung Total Pendapatan");
27          System.out.println("6. Keluar");
28          System.out.println("+++++");
29      }
30
31      public static void main(String[] args) throws Exception{
```

The screenshot displays an Integrated Development Environment (IDE) window titled "kuis2_Main". The main editor area shows a Java program named "Kuis2_Antrian.java". The code implements a queue-based system for a cashier.

```
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("\t\tTRANSAKSI INPUT PESANAN\t");  
                    System.out.println("-----");  
                    dou.Dequeue();  

```

```

Source History
56 break;
57 case 2:
58     System.out.println("-----");
59     System.out.println("\t\tTRANSAKSI INPUT PESANAN\t\t");
60     System.out.println("-----");
61     dou.Dequeue();
62     dou.print();
63     break;
64 case 3:
65     dou.print();
66     break;
67 case 4:
68     System.out.println("Keluar");
69     break;
70 }
71 System.out.println();
72 } catch (Exception e) {
73 }
74 }
75 }
76

```

Kuis2_Main

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

Output:

AntriVaksin - NetBeans IDE 7.4

File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help

Search (Ctrl+F)

Output

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

```

run:
=====KUIS 2 PRAKTIKUM ASD T1 IG=====
Dibuat Oleh : Amalia Salwa Lutfiana
NIM : 2141720028
Absen : 16/04
=====
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: 09289104
=====
Daftar Antrian
=====
|Nomor |Nama |Nomor Hp |
|1 |amal |09289104 |
Data Antrian: 1
=====
=====KUIS 2 PRAKTIKUM ASD T1 IG=====
Dibuat Oleh : Amalia Salwa Lutfiana
NIM : 2141720028
Absen : 16/04
=====
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 IN

AntirVaksin - NetBeans IDE 7.4

File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help

Search (Ctrl+F)

Output

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

```
1
=====
Masukkan Data Pembeli
=====
Nomor Antrian: 2
Nama Customer: depl
Nomor Hp: 0004706
=====
Daftar Antrian
=====
(Nomor |Nama |Nomor HP |
11 |amal |9239104 |
12 |depl |004706 |
Sisa Antrian: 2

====KUIS 2 PRATIUM AND T1 LG====
Dibuat Oleh : Amalia Salwa Lutfiana
NIM : 2141720028
Absen : 10/04
=====
1. Tambah Antrian
2. Hapus Antrian
3. Cetak Antrian
4. Laporan Pengurutan Pesanan by Nama
4. Hitung Total Pendapatan
6. Keluar
=====
3
=====
Daftar Antrian
=====
(Nomor |Nama |Nomor HP |
11 |amal |9239104 |
12 |depl |004706 |
Sisa Antrian: 2

====KUIS 2 PRATIUM AND T1 LG====
Dibuat Oleh : Amalia Salwa Lutfiana
```

Kuis2_Amalia (run) #8 running... 55 | 48 | DNS

AntirVaksin - NetBeans IDE 7.4

File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help

Search (Ctrl+F)

Output

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

```
=====
(Nomor |Nama |Nomor HP |
11 |amal |9239104 |
12 |depl |004706 |
Sisa Antrian: 2

====KUIS 2 PRATIUM AND T1 LG====
Dibuat Oleh : Amalia Salwa Lutfiana
NIM : 2141720028
Absen : 10/04
=====
1. Tambah Antrian
2. Hapus Antrian
3. Cetak Antrian
4. Laporan Pengurutan Pesanan by Nama
4. Hitung Total Pendapatan
6. Keluar
=====
3
=====
Daftar Antrian
=====
(Nomor |Nama |Nomor HP |
11 |amal |9239104 |
12 |depl |004706 |
Sisa Antrian: 2

====KUIS 2 PRATIUM AND T1 LG====
Dibuat Oleh : Amalia Salwa Lutfiana
NIM : 2141720028
Absen : 10/04
=====
1. Tambah Antrian
2. Hapus Antrian
3. Cetak Antrian
4. Laporan Pengurutan Pesanan by Nama
4. Hitung Total Pendapatan
6. Keluar
=====
```

Kuis2_Amalia (run) #8 running... 55 | 48 | DNS