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## Main Class

```
Kuis02_Dimas08 > Main08.java > Main08 > main(String[])
1  package Kuis02_Dimas08;
2
3  import java.util.Scanner;
4
5  import Praktikum07.Pakaian;
6  import Praktikum07.StackPakaian;
7
8  public class Main08 {
9      static int harga08;
10
11      public static void main(String[] args) {
12          Scanner sc08 = new Scanner(System.in);
13          AntrianLinkedList_08 stk = new AntrianLinkedList_08();
14          // scanner
15
16          while (true) {
17              // menu untuk push, pop, peek, print
18              System.out.println("Operasi pada menu stack : ");
19              System.out.println("=====");
20              System.out.println("1. push (Tambahkan Antrian)");
21              System.out.println("2. print (Cetak Antrian)");
22              System.out.println("3. Clear(Hapus Antrian)");
23              System.out.println("4. Hitung Pendapatan(Total)");
24              System.out.println("5. exit");
25              System.out.println("=====");
26              System.out.print("Masukkan pilihan Anda: ");
27              int pilihan = sc08.nextInt();
28              sc08.nextLine();
29
30              switch (pilihan) {
31                  case 1:
32                      System.out.print("Nomor Antrian: ");
33                      int nomorAntrian = sc08.nextInt();
34                      sc08.nextLine();
35                      System.out.print("Nama Pembeli: ");
36                      String namaPembeli = sc08.nextLine();
37                      System.out.print("No HP: ");
38                      String noHp = sc08.nextLine();
39
40                      Pembeli_08 pembeli08 = new Pembeli_08(namaPembeli, noHp);
41                      stk.tambahAntrian(pembeli08);
42
43                      break;
44                  case 2:
45                      stk.printAntrian();
46                      break;
47                  case 3:
48                      System.out.print("Nomor\t: ");
49                      int nomorHapus08 = sc08.nextInt();
50                      sc08.nextLine(); // Mengonsumsi karakter baris baru setelah nextInt()
51                      System.out.print("Pesanan\t: ");
52                      String Pesanan08 = sc08.nextLine();
53                      System.out.print("Harga\t: ");
54                      harga08 = sc08.nextInt();
55                      sc08.nextLine();
56                      System.out.println("|" + nomorHapus08 + "\t|" + Pesanan08 + "\t|" + harga08 + "\t|");
57                      stk.hapusPesanan(nomorHapus08);
58                      break;
59                  case 4:
60                      stk.pendapatanResto08(harga08);
61                      break;
62                  default:
63                      System.exit(status:0); // Keluar dari program
64                      break;
65              }
66          }
67      }
68  }
```

## Node Class

```
Kuis02_Dimas08 > Node_08.java > Node_08
1 package Kuis02_Dimas08;
2
3 import jobsheet12.praktikum.Node;
4
5 /**
6  * Node_08
7  */
8 public class Node_08 {
9     int data08;
10    Node_08 next08;
11    Pembeli_08 pembeli08;
12
13    // constructor
14    public Node_08() {
15
16    }
17    // parameter
18    public Node_08(int data, Node_08 next) {
19        this.data08 = data;
20        this.next08 = next;
21    }
22    public Node_08(Pembeli_08 pembeli) {
23        this.pembeli08 = pembeli;
24    }
25
26 }
```

## Pembeli Class

```
Kuis02_Dimas08 > Pembeli_08.java > Pembeli_08 > nomorHp08
1 package Kuis02_Dimas08;
2
3 public class Pembeli_08 {
4     // atribut
5     String namaPembeli08;
6     String nomorHp08;
7
8     // constructor
9     Pembeli_08() {
10
11    }
12    // parameter
13    Pembeli_08(String nama, String no) {
14        namaPembeli08 = nama;
15        nomorHp08 = no;
16    }
17 }
```

## Pesanan Class

```

Kuis02_Dimas08 > Pesanan_08.java > Pesanan_08 > Pesanan_08(int, String, int)
1  package Kuis02_Dimas08;
2
3  public class Pesanan_08 {
4      // atribut
5      int kodePesanan08, harga08;
6      String namaPesanan08;
7      // constructor
8      Pesanan_08() {
9
10     }
11     // parameter
12     Pesanan_08(int kodePesanan, String namaPesanan, int harga) {
13         this.kodePesanan08 = kodePesanan;
14         this.namaPesanan08 = namaPesanan;
15         this.harga08 = harga;
16     }
17 }

```

## Class AntrianLinkedList

```

Kuis02_Dimas08 > AntrianLinkedList_08.java > AntrianLinkedList_08 > hapusPesanan(int)
1  package Kuis02_Dimas08;
2
3  public class AntrianLinkedList_08 {
4      // menuliskan head
5      Node_08 head08;
6
7      // linkedList isEmpty
8      boolean isEmpty() {
9          return head08 == null;
10     }
11
12     // isEmpty
13     public void tambahAntrian(Pembeli_08 pembeli) {
14         Node_08 nodeBaru = new Node_08(pembeli);
15         if (head08 == null) {
16             head08 = nodeBaru;
17         } else {
18             Node_08 temp = head08;
19             while (temp.next08 != null) {
20                 temp = temp.next08;
21             }
22             temp.next08 = nodeBaru;
23         }
24         System.out.println("Pembeli " + pembeli.namaPembeli08 + " telah ditambahkan ke antrian.");
25     }
26
27     // cetak antrian pembeli
28     public void printAntrian() {
29         if (!isEmpty()) {
30             System.out.println("+++++");
31             System.out.println("Daftar Antrian pada Resto Royal Palmia");
32             System.out.println("+++++");
33             System.out.println("No.\t Nama Customer\t No hp\t");
34             System.out.println("-----");
35             Node_08 currentNode08 = head08;
36             int nomorAntrian08 = 1;
37             while (currentNode08 != null) {
38                 System.out.println(nomorAntrian08 + "\t" + currentNode08.pembeli08.namaPembeli08 + "\t" + currentNode08.pembeli08.nomorHp08 +

```

```

Kuis02_Dimas08 > AntrianLinkedList_08.java > AntrianLinkedList_08 > hapusPesanan(int)
3  public class AntrianLinkedList_08 {
28  public void printAntrian() {
39      currentNode08 = currentNode08.next08;
40      nomorAntrian08++;
41  }
42      System.out.println("Total Antrian: " + (nomorAntrian08 - 1));
43  } else {
44      System.out.println(x: "Linked List Kosong");
45  }
46  }
47
48  // METHOD clear
49  public int hapusPesanan(int nomor08) {
50      if (isEmpty()) {
51          System.out.println(x: "Antrian kosong. Tidak ada yang bisa dihapus.");
52          return -1;
53      } else if (nomor08 == 1) {
54          // Hapus head (antrian pertama)
55          Pembeli_08 pembeliHapus08 = head08.pembeli08;
56          head08 = head08.next08;
57          System.out.println("Pembeli " + pembeliHapus08.namaPembeli08 + " telah dihapus dari antrian.");
58          return 0;
59      } else {
60          Node_08 prevNode = head08;
61          Node_08 currentNode = head08.next08;
62          int nomorAntrian = 2;
63
64          while (currentNode != null) {
65              if (nomorAntrian == nomor08) {
66                  // Hapus currentNode
67                  Pembeli_08 pembeliHapus = currentNode.pembeli08;
68                  prevNode.next08 = currentNode.next08;
69                  System.out.println("Pembeli " + pembeliHapus.namaPembeli08 + " telah dihapus dari antrian.");
70                  return 0; // Kode 0 menandakan penghapusan berhasil
71              }
72              prevNode = currentNode;
73              currentNode = currentNode.next08;
74              nomorAntrian++;
75          }

```

```

Kuis02_Dimas08 > AntrianLinkedList_08.java > AntrianLinkedList_08 > hapusPesanan(int)
3  public class AntrianLinkedList_08 {
49  public int hapusPesanan(int nomor08) {
76      System.out.println(x: "Nomor antrian tidak ditemukan.");
77      return -1;
78  }
79  }
80
81  public int pendapatanResto08(int hargaMakanan08) {
82      if (isEmpty()) {
83          System.out.println(x: "Tidak ada pesanan untuk dihitung.");
84          return 0;
85      }
86
87      Node_08 currentNode08 = head08;
88      int totalPendapatan = 0;
89
90      while (currentNode08 != null) {
91          totalPendapatan += hargaMakanan08;
92          currentNode08 = currentNode08.next08;
93      }
94
95      System.out.println("Total pendapatan: " + totalPendapatan);
96      return totalPendapatan;
97  }
98  }

```

Hasil Running

```

Menu Resto
=====
1. push (Tambahkan Antrian)
2. print (Cetak Antrian)
3. Clear(Hapus Antrian)
4. Hitung Pendapatan(Total)
5. exit
=====
Masukkan pilihan Anda: 1
Nomor Antrian: 1
Nama Pembeli: dimas
No HP: 0812
Pembeli dimas telah ditambahkan ke antrian.
Menu Resto
=====
1. push (Tambahkan Antrian)
2. print (Cetak Antrian)
3. Clear(Hapus Antrian)
4. Hitung Pendapatan(Total)
5. exit
=====
Masukkan pilihan Anda: 1
Nomor Antrian: 2
Nama Pembeli: Aji
No HP: 0856
Pembeli Aji telah ditambahkan ke antrian.
Menu Resto
=====
1. push (Tambahkan Antrian)
2. print (Cetak Antrian)
3. Clear(Hapus Antrian)
4. Hitung Pendapatan(Total)
5. exit
=====
Masukkan pilihan Anda: 1
Nomor Antrian: 3
Nama Pembeli: Andi
No HP: 0857
Pembeli Andi telah ditambahkan ke antrian.
Menu Resto
=====
1. push (Tambahkan Antrian)

```

```

Menu Resto
=====
1. push (Tambahkan Antrian)
2. print (Cetak Antrian)
3. Clear(Hapus Antrian)
4. Hitung Pendapatan(Total)
5. exit
=====
Masukkan pilihan Anda: 1
Nomor Antrian: 3
Nama Pembeli: Andi
No HP: 0857
Pembeli Andi telah ditambahkan ke antrian.
Menu Resto
=====
1. push (Tambahkan Antrian)
2. print (Cetak Antrian)
3. Clear(Hapus Antrian)
4. Hitung Pendapatan(Total)
5. exit
=====
Masukkan pilihan Anda: 3
Nomor : 1
Pesanan : ayamPedas
Harga : 30000
|1 |ayamPedas |30000 |
Pembeli dimas telah dihapus dari antrian.
Menu Resto
=====
1. push (Tambahkan Antrian)
2. print (Cetak Antrian)
3. Clear(Hapus Antrian)
4. Hitung Pendapatan(Total)
5. exit
=====
Masukkan pilihan Anda: 3
Nomor : 2
Pesanan : SotoAYam
Harga : 30000
|2 |SotoAYam |30000 |
Pembeli Andi telah dihapus dari antrian.

```

```

Menu Resto
=====
1. push (Tambahkan Antrian)
2. print (Cetak Antrian)
3. Clear(Hapus Antrian)
4. Hitung Pendapatan(Total)
5. exit
=====
Masukkan pilihan Anda: 3
Nomor : 3
Pesanan : Bubur
Harga : 30000
|3 |Bubur |30000 |
Nomor antrian tidak ditemukan.
Menu Resto
=====
1. push (Tambahkan Antrian)
2. print (Cetak Antrian)
3. Clear(Hapus Antrian)
4. Hitung Pendapatan(Total)
5. exit
=====
Masukkan pilihan Anda: 4
Total pendapatan: 30000
Menu Resto
=====
1. push (Tambahkan Antrian)
2. print (Cetak Antrian)
3. Clear(Hapus Antrian)
4. Hitung Pendapatan(Total)
5. exit
=====
Masukkan pilihan Anda: 5
PS D:\folder matkul\semester 2\praktikum ASD\AlgoritmaStrukturData>

```