

-QUIZ 2-

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Kelas / Absen : 1B SIB / 06

INPUT :

a. Class Pesanan

```
Deaqu Press 'Enter' to confirm your input or 'Escape' to cancel
1 package Deaquizz;
2
3 public class Pesanan06 {
4     int kodePesanan;
5     String namaPesanan;
6     int harga;
7
8     public Pesanan06(int kodePesanan, String namaPesanan, int harga) {
9         this.kodePesanan = kodePesanan;
10        this.namaPesanan = namaPesanan;
11        this.harga = harga;
12    }
13 }
```

b. Class Pembeli

```
Deaqu Press 'Enter' to confirm your input or 'Escape' to cancel
4
5 public class Pembeli06 {
6     int noAntrian;
7     String namaPembeli;
8     String noHp;
9     Pembeli06 prev, next;
10    Pesanan06 pesanan;
11
12    public Pembeli06(String noHp, String namaPembeli, int noAntrian) {
13        this.noAntrian = noAntrian;
14        this.namaPembeli = namaPembeli;
15        this.noHp = noHp;
16        this.prev = null;
17        this.next = null;
18        this.pesanan = null;
19    }
20 }
```

c. Class Double Linked List

```
2
3 public class DoubleLinkedList06 {
4     Pembeli06 head, tail;
5     int size;
6
7     public DoubleLinkedList06() {
8         head = null;
9         tail = null;
10        size = 0;
11    }
12    public boolean isEmpty() {
13        return head == null;
14    }
15
16    public void addFirst(String namaPembeli, String noHp, int noAntrian) {
17        Pembeli06 newPembeli = new Pembeli06(namaPembeli, noHp, size + 1);
18        if (isEmpty()) {
19            tail = newPembeli;
20        } else {
21            head.prev = newPembeli;
22            newPembeli.next = head;
23        }
24        head = newPembeli;
25        size++;
26    }
27 }
```

```

27 public void displayPembeli() {
28     if (isEmpty()) {
29         System.out.println(x:"Daftar antrian kosong.");
30         return;
31     }
32     System.out.println(x:"Daftar Antrian:");
33     System.out.println(x:"| No Antrian | NamaCustomer | No HP |");
34     System.out.println(x:"|-----|-----|-----|");
35     Pembeli06 current = head;
36     while (current != null) {
37         System.out.printf(format:"| %-10d| %-22s| %-17s|\n",
38             current.noAntrian, current.namaPembeli, current.noHp);
39         current = current.next;
40     }
41 }

```

```

42 public void removeFirst() {
43     if (isEmpty()) {
44         System.out.println(x:"Daftar film kosong.");
45         return;
46     }
47     head = head.next;
48     if (head == null) {
49         tail = null;
50     } else {
51         head.prev = null;
52     }
53     size--;
54 }
55 public void removeLast() {
56     if (isEmpty()) {
57         System.out.println(x:"Daftar film kosong.");
58         return;
59     }
60     if (head == tail) {
61         head = tail = null;
62     } else {
63         tail = tail.prev;
64         tail.next = null;
65 }

```

```

66     size--;
67 }
68 public void remove(int index) {
69     if (index < 0 || index >= size) {
70         System.out.println(x:"Indeks diluar batas.");
71         return;
72     }
73     if (index == 0) {
74         removeFirst();
75     } else if (index == size - 1) {
76         removeLast();
77     } else {
78         Pembeli06 current = head;
79         for (int i = 0; i < index; i++) {
80             current = current.next;
81         }
82         current.prev.next = current.next;
83         current.next.prev = current.prev;
84         size--;
85     }
86 }

```

d. Class Main

```
2  import java.util.Scanner;
3  public class Main06 {
4      Run | Debug
5      public static void main(String[] args) {
6          Scanner scDea = new Scanner(System.in);
7          DoubleLinkedList06 pembelilist = new DoubleLinkedList06();
8
9          while (true) {
10             System.out.println(x:"===== QUIZ 2 PRATIKUM ASD=====");
11             System.out.println(x:"Dibuat oleh : Deanissa Sherly Sabilla");
12             System.out.println(x:"NIM : 2341760187");
13             System.out.println(x:"Absen : 06");
14             System.out.println(x:"=====");
15             System.out.println(x:"SISTEM ANTRIAN RESTO ROYAL DEA");
16             System.out.println(x:"=====");
17             System.out.println(x:"1. Tambah Antrian");
18             System.out.println(x:"2. Cetak Antrian");
19             System.out.println(x:"3. Hapus Antrian");
20             System.out.println(x:"4. Laporan Pengurutan Pesanan by nama");
21             System.out.println(x:"5. Hitung Total Pendapatan");
22             System.out.println(x:"6. Keluar");
23             System.out.println(x:"=====");
24             System.out.print(s:"Pilih menu: ");
25             int choice = scDea.nextInt();
26
27             case 1:
28                 System.out.println(x:"-----");
29                 System.out.println(x:"Masukkan Data Pembeli");
30                 System.out.println(x:"-----");
31                 System.out.print(s:"Nomor Antrian:");
32                 int noAntrian = scDea.nextInt();
33                 System.out.print(s:"Nama Customer: ");
34                 scDea.nextLine();
35                 String namaPembeli = scDea.nextLine();
36                 System.out.print(s:"Masukkan No HP: ");
37                 String noHp1 = scDea.nextLine();
38                 pembelilist.addFirst(namaPembeli, noHp1, noAntrian);
39                 System.out.println(x:"Pembeli berhasil ditambahkan di awal.");
40                 break;
41             case 2:
42                 pembelilist.displayPembeli();
43                 break;
44             case 3:
45                 System.out.print(s:"Masukkan indeks pembeli yang ingin dihapus: ");
46                 int index5 = scDea.nextInt();
47                 pembelilist.remove(index5 - 1);
48                 System.out.println("Pembeli di indeks " + index5 + " berhasil dihapus.");
49                 break;
```

HASIL OUTPUT :

a. Menu

```
===== QUIZ 2 PRATIKUM ASD=====
Dibuat oleh : Deanissa Sherly Sabilla
NIM : 2341760187
Absen : 06
=====
SISTEM ANTRIAN RESTO ROYAL DEA
=====
1. Tambah Antrian
2. Cetak Antrian
3. Hapus Antrian
4. Laporan Pengurutan Pesanan by nama
5. Hitung Total Pendapatan
6. Keluar
=====
```

b. Menu Tambah Antrian

```
===== QUIZ 2 PRATIKUM ASD=====
Dibuat oleh : Deanissa Sherly Sabilla
NIM : 2341760187
Absen : 06
=====
SISTEM ANTRIAN RESTO ROYAL DEA
=====
1. Tambah Antrian
2. Cetak Antrian
3. Hapus Antrian
4. Laporan Pengurutan Pesanan by nama
5. Hitung Total Pendapatan
6. Keluar
=====
Pilih menu: 1
-----
Masukkan Data Pembeli
-----
Nomor Antrian: 2
Nama Customer: Nissa
Masukkan No HP: 087777777
```

```
=====
SISTEM ANTRIAN RESTO ROYAL DEA
=====
1. Tambah Antrian
2. Cetak Antrian
3. Hapus Antrian
4. Laporan Pengurutan Pesanan by nama
5. Hitung Total Pendapatan
6. Keluar
=====
Pilih menu: 1
-----
Masukkan Data Pembeli
-----
Nomor Antrian: 1
Nama Customer: Dea
Masukkan No HP: 083111076149
Pembeli berhasil ditambahkan di awal.
```

c. Menu Cetak Antrian

```
=====
SISTEM ANTRIAN RESTO ROYAL DEA
=====
1. Tambah Antrian
2. Cetak Antrian
3. Hapus Antrian
4. Laporan Pengurutan Pesanan by nama
5. Hitung Total Pendapatan
6. Keluar
=====
Pilih menu: 2
Daftar Antrian:
| No Antrian | NamaCustomer          | No HP          |
|-----|-----|-----|
| 2         | 0877777777           | Nissa         |
| 1         | 083111076149         | Dea           |
```

d. Menu Hapus Antrian

```
=====
SISTEM ANTRIAN RESTO ROYAL DEA
=====
1. Tambah Antrian
2. Cetak Antrian
3. Hapus Antrian
4. Laporan Pengurutan Pesanan by nama
5. Hitung Total Pendapatan
6. Keluar
=====
Pilih menu: 3
Masukkan indeks pembeli yang ingin dihapus: 2
Daftar Antrian:
| No Antrian | NamaCustomer          | No HP          |
|-----|-----|-----|
| 2         | 0877777777           | Nissa         |
| 1         | 083111076149         | Dea           |
```