

Tugas 7

Pemograman Berorientasi Objek



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MINIMARKET 02

Kelas barang

```
1  package id.ac.unand.fti.si.pbo;
2
3  public class Barang {
4      public String nama;
5      public String sku;
6      public Integer jumlah;
7      public Integer hargaJual=0;
8      public Integer hargaBeli=0;
9      public double diskon=0.0;
10
11     public Barang(){
12
13     }
14     public Barang(String sku,String nama){
15         this.sku=sku;
16         this.nama=nama;
17     }
18     public Barang(String sku,String nama,Integer hargaJual,Integer hargaBeli){
19         this.sku=sku;
20         this.nama=nama;
21         this.hargaJual=hargaJual;
22         this.hargaBeli=hargaBeli;
23     }
24
25     public void setHargaJual(Integer n){
26         if(n>0 && (this.hargaBeli < n))
27             this.hargaJual=n;
28         return ;
29     }
30     public void setHargaBeli(Integer n){
31         if(n>0)
32             this.hargaBeli=n;
33     }
34     public void setDiskon(Double n){
35         if(n>0)
36             this.diskon= n;
37     }
38
39     public Integer getHargaJual(){
40         return hargaJual;
41     }
42     public Integer getHargaBeli(){
43         return hargaBeli;
44     }
45     public double getDiskon(){
46         return diskon;
47     }
48
49     public void tampilInfo(){
50         System.out.println("Kode : " + sku );
51         System.out.println("Nama : " + nama );
52         System.out.println("Harga Jual : " + hargaJual );
53         System.out.println("Harga Beli : " + hargaBeli );
54         System.out.println("Jumlah : " + jumlah );
55         System.out.println("Diskon : " + diskon );
56     }
57 }
```

Kelas Pelanggan

```
1 package id.ac.unand.fti.si.pbo;
2
3 public class Pelanggan {
4     public String nama;
5     public Boolean member;
6
7     public Pelanggan(){
8
9     }
10
11     public Pelanggan(String nama, Boolean member){
12         this.nama = nama;
13         this.member = member;
14     }
15 }
16
```

Kelas Transaksi

```
1 package id.ac.unand.fti.si.pbo;
2
3 import java.time.LocalDate;
4
5 public class Transaksi{
6     public int jumlahBarang;
7     private String noRef;
8     private String tanggal;
9     public Barang barang;
10    public Pelanggan pelanggan;
11
12
13    public Transaksi(){
14        noRef = String.valueOf(System.currentTimeMillis());
15        tanggal = LocalDate.now().toString();
16    }
17
18    public Transaksi(Pelanggan pelanggan){
19        this.noRef= String.valueOf(System.currentTimeMillis());
20        tanggal = LocalDate.now().toString();
21        this.pelanggan=pelanggan;
22    }
23
24    public void setNoRef(){
25        this.noRef= String.valueOf(System.currentTimeMillis());
26    }
27
28    public void setTanggal(){
29        tanggal = LocalDate.now().toString();
30    }
31
32    public String getNoRef(){
33        return noRef;
34    }
35
36    public String getTanggal(){
37        return tanggal;
38    }
39
40    public double hitungTotalBayar(){
41        double k=jumlahBarang*barang.hargaJual*1.0;
42        if(pelanggan.member==true){
43            if(k<500000){
44                return k;
45            }
46            if(k<1000000){
47                return k-k/100;
48            }
49            if(k<10000000){
50                return k-k*3/100;
51            }
52            return k-k*5/100;
53        }
54        return k;
55    }
56 }
```