

```

D:\A Nila\sem4\pbo\uts>javac TokoDemo.java
D:\A Nila\sem4\pbo\uts>java TokoDemo
Cabang      : Kendal
Jumlah Inputan : 3
Najwa Shop - Kendal
No. Nota   : 662685
Kode Produk : 1232
Nama Produk : Semen
Harga Beli  : 75000
Harga Jual  : 131250.0
Jumlah Jual : 11
Total       : 1443750.0
Jenis bayar (1. Cash , 2. Debit, 3.Tempo ) : 1
Ket.Bayar   : Cash
PPN         : 158812.5
Total Bayar : 1602562.5
Souvenir    : Voucher 100rb
Najwa Shop - Kendal
No. Nota   : 557589
Kode Produk : 1231
Nama Produk : Kayu
Harga Beli  : 30000
Harga Jual  : 60000.0
Jumlah Jual : 25
Total       : 1500000.0
Jenis bayar (1. Cash , 2. Debit, 3.Tempo ) : 3
Ket.Bayar   : Tempo
Waktu Tempo (Hari) : 15
PPN         : 165000.0
Bunga       : 37500.0
Total Bayar : 1702500.0
Souvenir    : Tidak dapat souvenir
Najwa Shop - Kendal
No. Nota   : 65839
Kode Produk : 1212
Nama Produk : Keramik
Harga Beli  : 120000
Harga Jual  : 180000.0
Jumlah Jual : 30
Total       : 5400000.0
Jenis bayar (1. Cash , 2. Debit, 3.Tempo ) : 2
Ket.Bayar   : Debit
Bea Kartu   : 1500.0
Total Bayar : 5401500.0
Souvenir    : Tidak dapat souvenir

Daftar Penjualan Najwa Shop - Kendal
-----
| No | Nota | Barcode | Harga Jual | Jml Jual | Total | Bunga | PPN | Total Bayar | Souvenir |
-----
| 1 | 662685 | 1232 | 131250.00 | 11 | 1443750.00 | 0.0 | 158812.50 | 1602562.50 | Voucher 100rb |
-----
| 2 | 557589 | 1231 | 60000.00 | 25 | 1500000.00 | 37500.0 | 165000.00 | 1702500.00 | Tidak dapat souvenir |
-----
| 3 | 65839 | 1212 | 180000.00 | 30 | 5400000.00 | 0.0 | 594000.00 | 5401500.00 | Tidak dapat souvenir |
-----
| | | | | | | ***Total*** | 8706562.50 | |
-----
D:\A Nila\sem4\pbo\uts>

```

```

J Barang.java 1.U X
J Barang.java > %Barang
1 import java.util.Scanner;
2
3 public class Barang {
4     String namaBarang, barCode;
5     double hrgBeli, hrgJual;
6
7     void inputBarang() {
8         Scanner input = new Scanner(System.in);
9         System.out.print("Kode Produk(t): ");
10        barCode = input.nextLine();
11        System.out.print("Nama Produk(t): ");
12        namaBarang = input.nextLine();
13        System.out.print("Harga Beli(t): ");
14        hrgBeli = input.nextFloat();
15
16        if (hrkBeli > 500000) {
17            hrgJual = hrgBeli + 0.1 * hrgBeli;
18            System.out.println("Harga Jual(t): " + hrgJual);
19        } else if (hrkBeli > 200000) {
20            hrgJual = hrgBeli + 0.25 * hrgBeli;
21            System.out.println("Harga Jual(t): " + hrgJual);
22        } else if (hrkBeli > 100000) {
23            hrgJual = hrgBeli + 0.5 * hrgBeli;
24            System.out.println("Harga Jual(t): " + hrgJual);
25        } else if (hrkBeli > 50000) {
26            hrgJual = hrgBeli + 0.75 * hrgBeli;
27            System.out.println("Harga Jual(t): " + hrgJual);
28        } else if (hrkBeli < 50000) {
29            hrgJual = hrgBeli + 1 * hrgBeli;
30            System.out.println("Harga Jual(t): " + hrgJual);
31        }
32    }
33 }

J Toko.java 2.U X
J Toko.java > ...
1 import java.util.Random;
2 import java.util.Scanner;
3
4 class Toko extends Barang {
5     String ketByr, souvenir;
6     int jmlJual, waktuTempo, noNota, jnsByr;
7     double totJual, ppn, bunga, totByr, beaKartu;
8
9     Toko(String cabang) {
10        System.out.println("Halua Shop - " + cabang);
11    }
12
13     void setNota() {
14        Random rand = new Random();
15        noNota = rand.nextInt(bound999999);
16        System.out.println("No. Nota(t): " + noNota);
17        inputBarang();
18    }
19
20     double getHargaJual() {
21        return hrgJual * jmlJual;
22    }
23
24     void inputJumlah() {
25        Scanner input = new Scanner(System.in);
26        System.out.print("Jumlah Jual(t): ");
27        jmlJual = input.nextInt();
28        getHargaJual();
29        System.out.println("Total(t): " + getHargaJual());
30    }
31
32     void inputJenis() {
33        Scanner input = new Scanner(System.in);
34        System.out.print("Jenis Bayar (1. Cash, 2. Debit
35        jnsByr = input.nextInt();
36        if (jnsByr == 1) {
37            System.out.println("Ket. Bayar(t): Cash");
38            bunga = 0;
39            ppn = 0.11 * getHargaJual();
40            System.out.println("PPN(t): " + ppn);
41        } else if (jnsByr == 2) {
42            System.out.println("Ket. Bayar(t): Debit");
43            beaKartu = 1500;
44            System.out.println("Bea Kartu(t): " + beaKartu);
45        } else if (jnsByr == 3) {
46            System.out.println("Ket. Bayar(t): Transfer");
47        }
48    }
49
50     void cetak() {
51        System.out.println("Total(t): " + getHargaJual());
52        System.out.println("PPN(t): " + ppn);
53        System.out.println("Bea Kartu(t): " + beaKartu);
54        System.out.println("Jumlah(t): " + jmlJual);
55        System.out.println("Harga(t): " + hrgJual);
56        System.out.println("Total(t): " + totJual);
57        System.out.println("Total(t): " + totByr);
58        System.out.println("Total(t): " + totJual);
59        System.out.println("Total(t): " + totByr);
60        System.out.println("Total(t): " + totJual);
61        System.out.println("Total(t): " + totByr);
62        System.out.println("Total(t): " + totJual);
63        System.out.println("Total(t): " + totByr);
64        System.out.println("Total(t): " + totJual);
65        System.out.println("Total(t): " + totByr);
66        System.out.println("Total(t): " + totJual);
67        System.out.println("Total(t): " + totByr);
68        System.out.println("Total(t): " + totJual);
69        System.out.println("Total(t): " + totByr);
70        System.out.println("Total(t): " + totJual);
71        System.out.println("Total(t): " + totByr);
72        System.out.println("Total(t): " + totJual);
73        System.out.println("Total(t): " + totByr);
74        System.out.println("Total(t): " + totJual);
75        System.out.println("Total(t): " + totByr);
76        System.out.println("Total(t): " + totJual);
77        System.out.println("Total(t): " + totByr);
78        System.out.println("Total(t): " + totJual);
79        System.out.println("Total(t): " + totByr);
80        System.out.println("Total(t): " + totJual);
81        System.out.println("Total(t): " + totByr);
82        System.out.println("Total(t): " + totJual);
83        System.out.println("Total(t): " + totByr);
84        System.out.println("Total(t): " + totJual);
85        System.out.println("Total(t): " + totByr);
86        System.out.println("Total(t): " + totJual);
87        System.out.println("Total(t): " + totByr);
88        System.out.println("Total(t): " + totJual);
89        System.out.println("Total(t): " + totByr);
90        System.out.println("Total(t): " + totJual);
91        System.out.println("Total(t): " + totByr);
92        System.out.println("Total(t): " + totJual);
93        System.out.println("Total(t): " + totByr);
94        System.out.println("Total(t): " + totJual);
95        System.out.println("Total(t): " + totByr);
96        System.out.println("Total(t): " + totJual);
97        System.out.println("Total(t): " + totByr);
98        System.out.println("Total(t): " + totJual);
99        System.out.println("Total(t): " + totByr);
100       System.out.println("Total(t): " + totJual);
101       System.out.println("Total(t): " + totByr);
102       System.out.println("Total(t): " + totJual);
103       System.out.println("Total(t): " + totByr);
104       System.out.println("Total(t): " + totJual);
105       System.out.println("Total(t): " + totByr);
106       System.out.println("Total(t): " + totJual);
107       System.out.println("Total(t): " + totByr);
108       System.out.println("Total(t): " + totJual);
109       System.out.println("Total(t): " + totByr);
110       System.out.println("Total(t): " + totJual);
111       System.out.println("Total(t): " + totByr);
112       System.out.println("Total(t): " + totJual);
113       System.out.println("Total(t): " + totByr);
114       System.out.println("Total(t): " + totJual);
115       System.out.println("Total(t): " + totByr);
116       System.out.println("Total(t): " + totJual);
117       System.out.println("Total(t): " + totByr);
118       System.out.println("Total(t): " + totJual);
119       System.out.println("Total(t): " + totByr);
120       System.out.println("Total(t): " + totJual);
121       System.out.println("Total(t): " + totByr);
122       System.out.println("Total(t): " + totJual);
123       System.out.println("Total(t): " + totByr);
124       System.out.println("Total(t): " + totJual);
125       System.out.println("Total(t): " + totByr);
126       System.out.println("Total(t): " + totJual);
127       System.out.println("Total(t): " + totByr);
128       System.out.println("Total(t): " + totJual);
129       System.out.println("Total(t): " + totByr);
130       System.out.println("Total(t): " + totJual);
131       System.out.println("Total(t): " + totByr);
132       System.out.println("Total(t): " + totJual);
133       System.out.println("Total(t): " + totByr);
134       System.out.println("Total(t): " + totJual);
135       System.out.println("Total(t): " + totByr);
136       System.out.println("Total(t): " + totJual);
137       System.out.println("Total(t): " + totByr);
138       System.out.println("Total(t): " + totJual);
139       System.out.println("Total(t): " + totByr);
140       System.out.println("Total(t): " + totJual);
141       System.out.println("Total(t): " + totByr);
142       System.out.println("Total(t): " + totJual);
143       System.out.println("Total(t): " + totByr);
144       System.out.println("Total(t): " + totJual);
145       System.out.println("Total(t): " + totByr);
146       System.out.println("Total(t): " + totJual);
147       System.out.println("Total(t): " + totByr);
148       System.out.println("Total(t): " + totJual);
149       System.out.println("Total(t): " + totByr);
150       System.out.println("Total(t): " + totJual);
151       System.out.println("Total(t): " + totByr);
152       System.out.println("Total(t): " + totJual);
153       System.out.println("Total(t): " + totByr);
154       System.out.println("Total(t): " + totJual);
155       System.out.println("Total(t): " + totByr);
156       System.out.println("Total(t): " + totJual);
157       System.out.println("Total(t): " + totByr);
158       System.out.println("Total(t): " + totJual);
159       System.out.println("Total(t): " + totByr);
160       System.out.println("Total(t): " + totJual);
161       System.out.println("Total(t): " + totByr);
162       System.out.println("Total(t): " + totJual);
163       System.out.println("Total(t): " + totByr);
164       System.out.println("Total(t): " + totJual);
165       System.out.println("Total(t): " + totByr);
166       System.out.println("Total(t): " + totJual);
167       System.out.println("Total(t): " + totByr);
168       System.out.println("Total(t): " + totJual);
169       System.out.println("Total(t): " + totByr);
170       System.out.println("Total(t): " + totJual);
171       System.out.println("Total(t): " + totByr);
172       System.out.println("Total(t): " + totJual);
173       System.out.println("Total(t): " + totByr);
174       System.out.println("Total(t): " + totJual);
175       System.out.println("Total(t): " + totByr);
176       System.out.println("Total(t): " + totJual);
177       System.out.println("Total(t): " + totByr);
178       System.out.println("Total(t): " + totJual);
179       System.out.println("Total(t): " + totByr);
180       System.out.println("Total(t): " + totJual);
181       System.out.println("Total(t): " + totByr);
182       System.out.println("Total(t): " + totJual);
183       System.out.println("Total(t): " + totByr);
184       System.out.println("Total(t): " + totJual);
185       System.out.println("Total(t): " + totByr);
186       System.out.println("Total(t): " + totJual);
187       System.out.println("Total(t): " + totByr);
188       System.out.println("Total(t): " + totJual);
189       System.out.println("Total(t): " + totByr);
190       System.out.println("Total(t): " + totJual);
191       System.out.println("Total(t): " + totByr);
192       System.out.println("Total(t): " + totJual);
193       System.out.println("Total(t): " + totByr);
194       System.out.println("Total(t): " + totJual);
195       System.out.println("Total(t): " + totByr);
196       System.out.println("Total(t): " + totJual);
197       System.out.println("Total(t): " + totByr);
198       System.out.println("Total(t): " + totJual);
199       System.out.println("Total(t): " + totByr);
200       System.out.println("Total(t): " + totJual);
201       System.out.println("Total(t): " + totByr);
202       System.out.println("Total(t): " + totJual);
203       System.out.println("Total(t): " + totByr);
204       System.out.println("Total(t): " + totJual);
205       System.out.println("Total(t): " + totByr);
206       System.out.println("Total(t): " + totJual);
207       System.out.println("Total(t): " + totByr);
208       System.out.println("Total(t): " + totJual);
209       System.out.println("Total(t): " + totByr);
210       System.out.println("Total(t): " + totJual);
211       System.out.println("Total(t): " + totByr);
212       System.out.println("Total(t): " + totJual);
213       System.out.println("Total(t): " + totByr);
214       System.out.println("Total(t): " + totJual);
215       System.out.println("Total(t): " + totByr);
216       System.out.println("Total(t): " + totJual);
217       System.out.println("Total(t): " + totByr);
218       System.out.println("Total(t): " + totJual);
219       System.out.println("Total(t): " +
```

```
import java.util.Scanner;

public class Barang {

    String nmBarang, barCode;

    double hrgBeli, hrgJual;

    void inputBarang() {

        Scanner input = new Scanner(System.in);

        System.out.print("Kode Produk\t: ");

        barCode = input.nextLine();

        System.out.print("Nama Produk\t: ");

        nmBarang = input.nextLine();

        System.out.print("Harga Beli\t: ");

        hrgBeli = input.nextFloat();

    }

}
```

```

        if (hrgBeli > 500000) {
            hrgJual = hrgBeli + 0.1 * hrgBeli;
            System.out.println("Harga Jual\t: " + hrgJual);
        } else if (hrgBeli > 200000) {
            hrgJual = hrgBeli + 0.25 * hrgBeli;
            System.out.println("Harga Jual\t: " + hrgJual);
        } else if (hrgBeli > 100000) {
            hrgJual = hrgBeli + 0.5 * hrgBeli;
            System.out.println("Harga Jual\t: " + hrgJual);
        } else if (hrgBeli > 50000) {
            hrgJual = hrgBeli + 0.75 * hrgBeli;
            System.out.println("Harga Jual\t: " + hrgJual);
        } else if (hrgBeli < 50000) {
            hrgJual = hrgBeli + 1 * hrgBeli;
            System.out.println("Harga Jual\t: " + hrgJual);
        }
    }
}

```

**File “Toko.java”**

```

import java.util.Random;
import java.util.Scanner;

class Toko extends Barang {
    String ketByr, souvenir;
    int jmlJual, waktuTempo, noNota, jnsByr;
    double totJual, ppn, bunga, totByr, beaKartu;

    Toko(String cabang) {
        System.out.println("Najwa Shop - " + cabang);
    }

    void setNota() {
        Random rand = new Random();
        noNota = rand.nextInt(999999);
        System.out.println("No. Nota\t: " + noNota);
    }
}

```

```

        inputBarang();
    }

    double getHargaJual() {
        return hrgJual * jmlJual;
    }

    void inputJumlah() {
        Scanner input = new Scanner(System.in);
        System.out.print("Jumlah Jual\t: ");
        jmlJual = input.nextInt();
        getHargaJual();
        System.out.println("Total\t\t: " + getHargaJual());
    }

    void inputJenis() {
        Scanner input = new Scanner(System.in);
        System.out.print("Jenis bayar (1. Cash , 2. Debit,
3.Tempo ) : ");
        jnsByr = input.nextInt();
        if (jnsByr == 1) {
            System.out.println("Ket.Bayar\t: Cash");
            bunga = 0;
            ppn = 0.11 * getHargaJual();
            System.out.println("PPN\t\t: " + ppn);
        } else if (jnsByr == 2) {
            System.out.println("Ket.Bayar\t: Debit");
            beaKartu = 1500;
            System.out.println("Bea Kartu\t: " + beaKartu);
        } else if (jnsByr == 3) {
            System.out.println("Ket.Bayar\t: Tempo");
            System.out.print("Waktu Tempo (Hari) : ");
            waktuTempo = input.nextInt();
            ppn = 0.11 * getHargaJual();
            System.out.println("PPN\t\t: " + ppn);
            if (waktuTempo > 14) {
                bunga = 0.025 * getHargaJual();
            }
            System.out.println("Bunga\t\t: " + bunga);
        } else {
            System.out.println("Input tidak valid! silakan
inputkan kembali");
            inputJenis();
        }
    }

    double hitungJual() {
        if (jnsByr == 1 && jnsByr == 3) {
            totJual = getHargaJual() + ppn + bunga;

```

```

        return totJual;
    } else {
        totJual = getHargaJual() + ppn + bunga + beaKartu;
        return totJual;
    }
}

void cetak() {
    System.out.println("Total Bayar\t: " + hitungJual());
    if (jnsByr == 1 && (totJual >= 100000 && totJual <=
500000)) {
        souvenir = "Mangkok Lucu";
    } else if (jnsByr == 1 && (totJual > 500000 && totJual
<= 750000)) {
        souvenir = "Payung Besar";
    } else if (jnsByr == 1 && (totJual > 750000 && totJual
<= 1000000)) {
        souvenir = "Tas Imut";
    } else if (jnsByr == 1 && (totJual > 1000000)) {
        souvenir = "Voucher 100rb";
    } else {
        souvenir = "Tidak dapat souvenir";
    }
    System.out.println("Souvenir\t: " + souvenir);
}

void judullap(String cabang) {
    System.out.println("\nDaftar Penjualan Najwa Shop - " +
cabang);
}

void daftarJual(String cabang) {
    System.out.format(
        "-----
-----
-----%n");
    System.out.format(
        "
| No | Nota | Barcode | Harga Jual |
Jml Jual | Total | Bunga | PPN | Total
Bayar | Souvenir |%n");
    System.out.format(
        "-----
-----
-----%n");
}

String getSouvenir() {
    return souvenir;
}

```

```
}
```

### File "TokoDemo.java"

```
import java.util.Scanner;

public class TokoDemo {
    public static void main(String[] args) {
        Scanner input = new Scanner(System.in);

        System.out.print("Cabang\t\t: ");
        String cabang = input.nextLine();
        System.out.print("Jumlah Inputan\t: ");
        int jumlah = input.nextInt();

        Toko[] produk = new Toko[jumlah];
        double total = 0;

        for (int i = 0; i < jumlah; i++) {
            produk[i] = new Toko(cabang);
            produk[i].setNota();
            produk[i].inputJumlah();
            produk[i].inputJenis();
            produk[i].cetak();
            total += produk[i].hitungJual();
        }

        produk[0].judulLap(cabang);
        produk[0].daftarJual(cabang);
        for (int i = 0; i < jumlah; i++) {
            String leftAlignFormat = "| %-2s | %-6s | %-13s | %-12s | %-9s | %-12s | %-12s | %-12s | %-12s | %-20s |%n";
            System.out.format(leftAlignFormat, (i + 1),
                produk[i].noNota, produk[i].barCode,
                String.format("%.2f", produk[i].hrgJual),
                produk[i].jmlJual,
                String.format("%.2f",
                    produk[i].getHargaJual()), produk[i].bunga,
                String.format("%.2f", 0.11 *
                    produk[i].getHargaJual()),
                String.format("%.2f",
                    produk[i].hitungJual()), produk[i].getSouvenir());
            System.out.format(
                "-----"
                "-----%n");
        }
    }
}
```

```
    }  
  
        String totalString =  
String.format("\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t***Total***\t\t %.2f",  
total);  
        String totalFormat = "| " + String.format("%-58s",  
totalString) + " |\n";  
        System.out.format(totalFormat);  
        System.out.format("-----  
-----  
-----%n");  
    }  
}
```