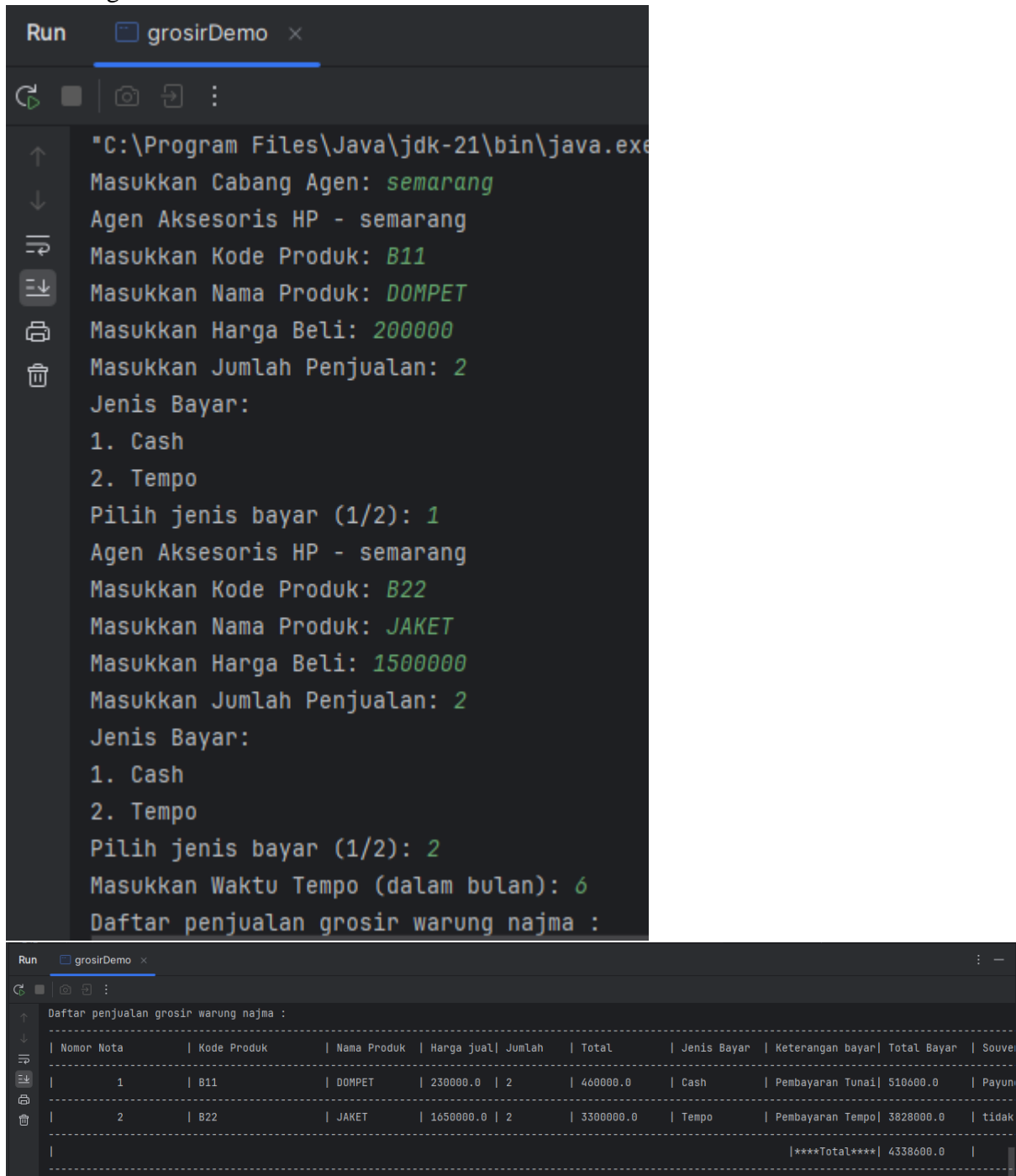Mata Kuliah : PBO – TI – S1
Pertemuan : Soal UTS Teori Tahun lalu
NIM : A11.2022.14532
Nama : Najma Aura Dias Prameswari

Hasil Program :

```
Run        grosirDemo  ×

"C:\Program Files\Java\jdk-21\bin\java.exe
Masukkan Cabang Agen: semarang
Agen Aksesoris HP - semarang
Masukkan Kode Produk: B11
Masukkan Nama Produk: DOMPET
Masukkan Harga Beli: 200000
Masukkan Jumlah Penjualan: 2
Jenis Bayar:
1. Cash
2. Tempo
Pilih jenis bayar (1/2): 1
Agen Aksesoris HP - semarang
Masukkan Kode Produk: B22
Masukkan Nama Produk: JAKET
Masukkan Harga Beli: 1500000
Masukkan Jumlah Penjualan: 2
Jenis Bayar:
1. Cash
2. Tempo
Pilih jenis bayar (1/2): 2
Masukkan Waktu Tempo (dalam bulan): 6
Daftar penjualan grosir warung najma :
```

```
Run    grosirDemo  ×

Daftar penjualan grosir warung najma :
```

Nomor Nota	Kode Produk	Nama Produk	Harga jual	Jumlah	Total	Jenis Bayar	Keterangan bayar	Total Bayar	Souve
1	B11	DOMPET	230000.0	2	460000.0	Cash	Pembayaran Tunai	510600.0	Payun
2	B22	JAKET	1650000.0	2	3300000.0	Tempo	Pembayaran Tempo	3828000.0	tidak
							|****Total****|	4338600.0	

```
-------------------------------------------------------------------
| Jenis Bayar  | Keterangan bayar| Total Bayar  | Souvernir        |
-------------------------------------------------------------------
| Cash         | Pembayaran Tunai| 510600.0     | Payung           |
-------------------------------------------------------------------
| Tempo        | Pembayaran Tempo| 3828000.0    | tidak dapat souvenir|
-------------------------------------------------------------------
               |****Total****| 4338600.0    |
-------------------------------------------------------------------
```

Code Program :

```java
import java.text.DecimalFormat;
import java.util.Scanner;

class Produk {
    String kdProduk, nmProduk;
    double hrgBeli, hrgJual;

    void inputProduk() {
        Scanner scanner = new Scanner(System.in);
        System.out.print("Masukkan Kode Produk: ");
        kdProduk = scanner.nextLine();
        System.out.print("Masukkan Nama Produk: ");
        nmProduk = scanner.nextLine();
        System.out.print("Masukkan Harga Beli: ");
        hrgBeli = scanner.nextDouble();
    }
}

class grosir extends Produk {
    static int counter = 1;
    String jnsByr, ketByr, souvenir, nomorNota;
    int jmlJual;
    double totJual, ppn, bunga, totByr;

    grosir(String cabang) {
        nomorNota = String.format("%10d", counter);
        counter++;
        System.out.println("Agen Aksesoris HP - " + cabang);
    }

    void inputJumlah() {
        Scanner scanner = new Scanner(System.in);
        System.out.print("Masukkan Jumlah Penjualan: ");
        jmlJual = scanner.nextInt();
    }

    double getHargaJual() {
        if (hrgBeli > 200000)//200k
            hrgJual = hrgBeli + (hrgBeli * 0.10);
        else if (hrgBeli > 100000)//100k
            hrgJual = hrgBeli + (hrgBeli * 0.15) ;
        else if (hrgBeli > 50000)
            hrgJual = hrgBeli + (hrgBeli * 0.20);
        else if (hrgBeli > 25000)
            hrgJual = hrgBeli + (hrgBeli * 0.30);
        else
```

```java
            hrgJual = hrgBeli + (hrgBeli * 0.50);

            return hrgJual;
        }

    void inputJenis() {
        Scanner scanner = new Scanner(System.in);
        System.out.println("Jenis Bayar: ");
        System.out.println("1. Cash");
        System.out.println("2. Tempo");
        System.out.print("Pilih jenis bayar (1/2): ");
        int choice = scanner.nextInt();
        if (choice == 1) {
            jnsByr = "Cash";
            ketByr = "Pembayaran Tunai";
        } else if (choice == 2) {
            jnsByr = "Tempo";
            ketByr = "Pembayaran Tempo";
            System.out.print("Masukkan Waktu Tempo (dalam bulan): ");
            int waktuTempo = scanner.nextInt();
            if (waktuTempo > 1)
                bunga = 0.05;

        }
    }

    void hitungJual() {
        totJual = hrgJual * jmlJual;
        ppn = 0.11 * totJual;
        totByr = totJual + ppn;
        if (jnsByr.equals("Tempo")) {
            hitungbunga();
        }
    }

    void hitungbunga()
    {
        totByr += totJual * bunga;
    }

    void cetak() {

        if (jnsByr.equals("Cash")) {
            if (totByr >= 100000 && totByr <= 500000)
                souvenir = "Mangkuk";
            else if (totByr > 500000 && totByr <= 750000)
                souvenir = "Payung";
            else if (totByr > 750000 && totByr <= 1000000)
                souvenir = "Tas Belanja";
            else if (totByr > 1000000)
                souvenir = "Voucher 100rb";
        }else {
            souvenir = "tidak dapat souvenir";
        }
    }
}

class grosirDemo {
    public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);
        System.out.print("Masukkan Cabang Agen: ");
```

```java
        String cabang = scanner.nextLine();

        grosir[] agen = new grosir[2];//2x penjualan produk
        for (int i = 0; i< agen.length; i++)
        {
            agen[i] = new grosir(cabang);
            agen[i].inputProduk();
            agen[i].inputJumlah();
            agen[i].getHargaJual();
            agen[i].inputJenis();
            agen[i].hitungJual();
            agen[i].cetak();
        }

        DecimalFormat df = new DecimalFormat("#.0");
        System.out.println("Daftar penjualan grosir warung najma : ");
        System.out.println("-------------------------------------------
-----------------------------------------------------------------------
--------------------------------------------------------");
        System.out.printf("| %-20s| %-20s| %-13s| %-10s| %-10s| %-14s| %-
13s| %-13s| %-13s| %-13s|\n",
                "Nomor Nota", "Kode Produk", "Nama Produk", "Harga jual",
"Jumlah", "Total", "Jenis Bayar", "Keterangan bayar",
                "Total Bayar", "Souvernir");
        System.out.println("-------------------------------------------
-----------------------------------------------------------------------
-------------------------------------------------------");

        for (grosir grosirr : agen)
        {
            System.out.printf("| %-20s| %-20s| %-13s| %-10s| %-10s| %-14s|
%-13s| %-13s| %-13s| %-13s|\n",
                    grosirr.nomorNota, grosirr.kdProduk,
grosirr.nmProduk,df.format(grosirr.getHargaJual()), grosirr.jmlJual,
                    grosirr.totJual, grosirr.jnsByr, grosirr.ketByr,
df.format(grosirr.totByr), grosirr.souvenir);
            System.out.println("---------------------------------------
-----------------------------------------------------------------------
-----------------------------------------------------------");
        }
        double totsemua = (agen[0].totByr + agen[1].totByr);
        System.out.printf("| %130s| %-10s
|\n","|****Total****",df.format(totsemua));
        System.out.println("-------------------------------------------
-----------------------------------------------------------------------
----------------------------------------------------");




    }
}
```