Nama   : Muhammad Faiz Al-Dzikro

Nim   : 2211523028

PBO - B

Tugas String and Date

1. Class Barang

```java
class Barang {
    protected String namaBarang;
    protected double hargaBarang;

    public Barang(String namaBarang, double hargaBarang) {
        this.namaBarang = namaBarang;
        this.hargaBarang = hargaBarang;
    }

    public void tampilkanInfo() {
        System.out.println("Nama Barang: " + namaBarang);
        System.out.println("Harga Barang: " + hargaBarang);
    }
}
```

2. Class MainTransaksi

```java
import java.util.Scanner;

public class MainTransaksi {
    public static void main(String[] args) throws Exception {
        Scanner scanner = new Scanner(System.in);

        try {
            // Input data dari user
            System.out.print("Masukkan No Struk: ");
            int noFaktur = scanner.nextInt();
            scanner.nextLine();
            System.out.print("Masukkan Nama Pelanggan: ");
            String namaPelanggan = scanner.nextLine();
            System.out.print("Masukkan No. HP Pelanggan: ");
            String noHP = scanner.nextLine();
            System.out.print("Masukkan Alamat Pelanggan: ");
            String alamat = scanner.nextLine();
            System.out.print("Masukkan Kode Barang: ");
            String kodeBarang = scanner.nextLine();
            System.out.print("Masukkan Nama Barang: ");
            String namaBarang = scanner.nextLine();
            System.out.print("Masukkan Harga Barang: ");
            double hargaBarang = scanner.nextDouble();
            System.out.print("Masukkan Jumlah Beli: ");
            int jumlahBeli = scanner.nextInt();

            // Membuat objek Transaksi
            TransaksiBaru transaksi = new TransaksiBaru(noFaktur, namaPelanggan, noHP, alamat, kodeBarang, namaBarang, hargaBarang, jumlahBeli);
            // Menampilkan informasi transaksi
            transaksi.tampilkanInformasi();

        } catch (Exception e) {
            System.out.println("Terjadi kesalahan: " + e.getMessage());
        } finally {
            scanner.close();
        }
    }
}
```

3. Class total bayar

```java
interface TotalBayar {
    double hitungTotalBayar();
}
```

4. Class Transaksi baru

```java
import java.text.SimpleDateFormat;
import java.util.Date;

class TransaksiBaru extends Barang implements TotalBayar {
    private int noFaktur;
    private String namaPelanggan;
    private String noHP;
    private String alamat;
    private String kodeBarang;
    private int jumlahBeli;

    public TransaksiBaru(int noFaktur, String namaPelanggan, String noHP, String alamat, String kodeBarang, String namaBarang, double hargaBarang, int jumlahBeli) {
        super(namaBarang, hargaBarang);
        this.noFaktur = noFaktur;
        this.namaPelanggan = namaPelanggan;
        this.noHP = noHP;
        this.alamat = alamat;
        this.kodeBarang = kodeBarang;
        this.jumlahBeli = jumlahBeli;
    }

    @Override
    public double hitungTotalBayar() {
        return hargaBarang * jumlahBeli;
    }

    public void tampilkanInformasi() {
        SimpleDateFormat dateFormat = new SimpleDateFormat("EEEE, dd/MM/yyyy");
        SimpleDateFormat timeFormat = new SimpleDateFormat("HH:mm:ss z");

        Date date = new Date();
        String formattedDate = dateFormat.format(date);
        String formattedTime = timeFormat.format(date);

        System.out.println("=====PAIZ MART=====");
        System.out.println("Tanggal: " + formattedDate);
        System.out.println("Waktu: " + formattedTime);
        System.out.println("=======================");
        System.out.println("DATA PELANGGAN");
        System.out.println("--------------------");
        System.out.println("Nama Pelanggan: " + namaPelanggan);
        System.out.println("No. HP: " + noHP);
        System.out.println("Alamat: " + alamat);
        System.out.println("++++++++++++++++++++++++");
        System.out.println("DATA PEMBELIAN BARANG");
        System.out.println("----------------------------");
        System.out.println("Kode Barang: " + kodeBarang);
        System.out.println("Nama Barang: " + namaBarang);
        System.out.println("Harga Barang: " + hargaBarang);
        System.out.println("Jumlah Beli: " + jumlahBeli);
        System.out.println("TOTAL BAYAR: " + hitungTotalBayar());
        System.out.println("++++++++++++++++++++++++");
        System.out.println("Kasir:Udin");
    }
}
```

5. Output