

**POSTTEST 3 PBO**  
**NAMA : PUPUT WIDYASTUTI**  
**NIM : 2109106074**  
**KELAS : INFORMATIKA B**  
**2021**

**SOURCE CODE MAIN.JAVA :**  
**(output berada dihalaman bawah)**

```
/*
 * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license
 * Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Main.java to edit this template
 */
package main;

/**
 *
 * @author acer
 */
import java.util.Scanner;
import java.io.InputStreamReader;
import java.io.BufferedReader;
import java.util.ArrayList;
import java.io.IOException;

public class Main {

    /**
     * @param args the command line arguments
     */
    public static void main(String[] args) throws IOException{
        // TODO code application logic here
        InputStreamReader isr = new InputStreamReader(System.in);
        BufferedReader br = new BufferedReader(isr);

        ArrayList<Bakery> dataBkr = new ArrayList<>();
        boolean loop = true;
        while (loop){
            System.out.println("=====");
            System.out.println("    Toko Kue Ice Bakery    ");
            System.out.println("=====");
            System.out.println("1.\tTambah");
            System.out.println("2.\tTampilkan");
            System.out.println("3.\tUbah");
            System.out.println("4.\tHapus");
            System.out.println("=====");

            System.out.print("\n\nMasukkan Pilihan : ");
            int menu = Integer.parseInt(br.readLine());
```

```

switch (menu) {
    case 1:
        System.out.println("=====");
        System.out.println("          MENU          ");
        System.out.println("    TAMBAHKAN DATA MENU BAKERY    ");
        System.out.println("=====");

        System.out.print("Masukkan code  : ");
        String cd = br.readLine();
        System.out.print("Masukkan rasa : ");
        String rsa = br.readLine();
        System.out.print("Masukkan stok  : ");
        int stk = Integer.parseInt(br.readLine());
        //      System.out.print("Masukkan harga  : ");
        //      int hrg = Integer.parseInt(br.readLine());
        Bakery newBakery = new Bakery(cd, rsa, stk);
        dataBkr.add(newBakery);
        break;
    default:
        break;

    //      break;

    case 2:
        System.out.println("=====");
        System.out.println("          MENU          ");
        System.out.println("    LIHAT DATA MENU BAKERY    ");
        System.out.println("=====");
        System.out.print("\n\nMasukkan data ke berapa yang ingin dilihat : ");
        int menuLihat = Integer.parseInt(br.readLine());
        if(menuLihat == 1){
            System.out.println(" Data di Ice Bakery ");
            for (int i = 0; i < dataBkr.size(); i++){
                System.out.println("Code      : " + dataBkr.get(i).getCode());
                System.out.println("Rasa      : " + dataBkr.get(i).getRasa());
                System.out.println("Stok      : " + dataBkr.get(i).getStok());
            }
        }else{
            System.out.println("Data tiakk ditemukan");
        }
        break;

    case 3:
        System.out.println("=====");
        System.out.println("          MENU          ");
        System.out.println("    LIHAT DATA MENU BAKERY    ");
        System.out.println("=====");
        System.out.print("\n\nMasukkan data keberapa yang ingin diedit : ");
        int menuEdit = Integer.parseInt(br.readLine());

        if(menuEdit == 1){
            System.out.println("Masukkan code data Bakery : ");
            String findBkr = br.readLine();

            for(Bakery bkr : dataBkr){

```

```

        if(bkr.getCode().equals(findBkr)){
            System.out.println("Code    : "); bkr.setCode(br.readLine());
            System.out.println("Rasa    : "); bkr.setRasa(br.readLine());
            System.out.println("Stok    : "); bkr.setStok(Integer.parseInt(br.readLine()));
//            System.out.println("Harga    : "); bkr.setHarga(Integer.parseInt(br.readLine()));
        }
    }
} else{
    System.out.println("Data tidak ditemukan ");
}
break;
case 4:
    System.out.println("=====");
    System.out.println("                MENU                ");
    System.out.println("        LIHAT DATA MENU BAKERY        ");
    System.out.println("=====");
    System.out.print("\n\nMasukkan data beberapa yang ingin dihapus : ");
    int menuHapus = Integer.parseInt(br.readLine());
    if(menuHapus == 1){
        System.out.println("Masukan Code Data Ice Bakery "); String findBkr1 =
br.readLine();

        for(int i = 0; i < dataBkr.size(); i++){
            if(dataBkr.get(i).getCode().equals(findBkr1)){
                dataBkr.remove(i);
                System.out.println(" Data berhasil dihapus\n");
            }
        }
    }
    break;
case 5:
    loop = false;
    break;

}

}

}

}

```

Source Code Bakery.Java

```

/*
 * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license
 * Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit this template
 */
package posttest3;

/**
 *
 * @author acer
 */

```

```

import java.util.Scanner;

public class Bakery {
    protected String Code;
    protected String Rasa;
    protected int Stok;
    // protected int Harga;

    public String getCode() {
        return Code;
    }

    public String getRasa() {
        return Rasa;
    }

    public int getStok() {
        return Stok;
    }

    // public int getHarga() {
    //     return Harga;
    // }

    public Bakery (String Code, String Rasa, int Stok){
        this.Code = Code;
        this.Rasa = Rasa;
        this.Stok = Stok;
    //     this.Harga = Harga;
    }

    public void display(){
        System.out.println("Code      : " + this.Code);
        System.out.println("Rasa      : " + this.Rasa);
        System.out.println("Stok      : " + this.Stok);
    //     System.out.println("Harga      : " + this.Harga);
    }

    public void setCode(String Code){
        this.Code = Code;
    }

    public void setRasa(String Rasa ){
        this.Rasa = Rasa;
    }

    public void setStok(int Stok){
        this.Stok = Stok;
    }

    // public void setHarga(int Harga) {
    //     this.Harga = Harga;
    // }

```

```

public void setBakeryInformation(){
    Scanner scanner = new Scanner(System.in);

    System.out.println("Masukkan Code Cake");
    Code = scanner.nextLine();

    System.out.println("Masukkan Rasa Cake");
    Rasa = scanner.nextLine();

    System.out.println("Masukkan Stok Cake");
    Stok = scanner.nextInt();

    //    System.out.println("Masukkan Harga Cake");
    //    Harga = scanner.nextInt();
    //
}

public void getBakeryInformation(){
    System.out.println("Code Cake      : "+ Code);
    System.out.println("Rasa Cake      : "+ Rasa);
    System.out.println("Stok yang tersedia   : "+ Stok);
    //    System.out.println("Harga          : "+ Harga);
    this.setBakeryInformation();
}
}

```

Source Code ChiffonCake.Java :

```

/*
 * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license
 * Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit this template
 */
package posttest3;

/**
 *
 * @author acer
 */
public class ChiffonCake extends Bakery {
    private int harga, jumlah;

    public ChiffonCake(int jumlah, int harga){
        super(nama);
        this.harga = harga;
        this.jumlah = jumlah;
    }

    public int getHarga() {
        return harga;
    }
}

```

```

    public void setHarga(int harga) {
        this.harga = harga;
    }

    public int getJumlah() {
        return jumlah;
    }

    public void setJumlah(int jumlah) {
        this.jumlah = jumlah;
    }
}

```

### Source Code PoundCake.Java :

```

/*
 * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license
 * Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit this template
 */
package posttest3;

/**
 *
 * @author acer
 */
public class PoundCake extends Bakery {
    private String nama;
    private int harga, jumlah;

    public PoundCake(String nama, int jumlah, int harga){
        super(nama);
        this.harga = harga;
        this.jumlah = jumlah;
    }

    public int getHarga() {
        return harga;
    }

    public void setHarga(int harga) {
        this.harga = harga;
    }

    public int getJumlah() {
        return jumlah;
    }

    @Override
    public void setBakeryInformation() {
        super.setBakeryInformation(); // Generated from
nbfs://nbhost/SystemFileSystem/Templates/Classes/Code/OverriddenMethodBody
    }
}

```

```

    public void setJumlah(int jumlah) {
        this.jumlah = jumlah;
    }

    public String getNama() {
        return nama;
    }

    public void setNama(String nama) {
        this.nama = nama;
    }
}

// public int getCost(){
//     double hargaPerPoundCake = (double) harga / 12.0;
//     int cost = (int) Math.round(hargaPerPoundCake * jumlah);
//     return cost;
// }

```

### Source Code Action.Java :

```

/*
 * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license
 * Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit this template
 */
package posttest3;

/**
 *
 * @author acer
 */
import java.util.Scanner;
import java.io.InputStreamReader;
import java.io.BufferedReader;
import java.util.ArrayList;
import java.io.IOException;

public class Action {
    InputStreamReader isr = new InputStreamReader(System.in);
    BufferedReader br = new BufferedReader(isr);

    ArrayList<Bakery> dataBkr = new ArrayList<>();

    void tambahCake() throws IOException{
        System.out.print("\n>>> Masukkan Jumlah Data Yang Ingin di masukkan : ");
        int jmlh = Integer.parseInt(br.readLine());

        System.out.println("\n=====");
        for(int i = 0; i < jmlh; i++){
            System.out.println("|Data ke : " + (i + 1)+"|");

```

```

        System.out.println("-----");
        System.out.print(" Masukkan Code cake :");
        String cd = br.readLine();
        System.out.print(" Masukkan rasa cake : ");
        String rsa = br.readLine();
        System.out.print(" Masukkan jumlah stok barang: ");
        int stk = Integer.parseInt(br.readLine());
        System.out.println("|=====");

        Bakery newBakery = new Bakery(cd, rsa, stk);
        dataBkr.add(newBakery);

    }
}

void tampil() throws IOException{
    System.out.println("=====");
    System.out.println("          MENU          ");
    System.out.println("    LIHAT DATA MENU BAKERY    ");
    System.out.println("=====");
    System.out.print("\n\nMasukkan data ke berapa yang ingin dilihat : ");
    int menuLihat = Integer.parseInt(br.readLine());
    if(menuLihat ==1){
        System.out.println(" Data di Ice Bakery ");
        for (int i = 0; i < dataBkr.size(); i++){
            System.out.println("Code      : " + dataBkr.get(i).getCode());
            System.out.println("Rasa      : " + dataBkr.get(i).getRasa());
            System.out.println("Stok      : " + dataBkr.get(i).getStok());
        }
    }else{
        System.out.println("Data tiakk ditemukan");
    }
}

void ubah() throws IOException{
    System.out.println("=====");
    System.out.println("          MENU          ");
    System.out.println("    LIHAT DATA MENU BAKERY    ");
    System.out.println("=====");
    System.out.print("\n\nMasukkan data seberapa yang ingin diedit : ");
    int menuEdit = Integer.parseInt(br.readLine());

    if(menuEdit == 1){
        System.out.println("Masukkan code data Bakery : ");
        String findBkr = br.readLine();

        for(Bakery bkr : dataBkr){
            if(bkr.getCode().equals(findBkr)){
                System.out.println("Code      : "); bkr.setCode(br.readLine());
                System.out.println("Rasa      : "); bkr.setRasa(br.readLine());
                System.out.println("Stok      : "); bkr.setStok(Integer.parseInt(br.readLine()));
                // System.out.println("Harga      : "); bkr.setHarga(Integer.parseInt(br.readLine()));
            }
        }
    }else{
        System.out.println("Data tidak ditemukan ");
    }
}

```



```

    }

}

void hapus() throws IOException{
    System.out.println("=====");
    System.out.println("          MENU          ");
    System.out.println("    LIHAT DATA MENU BAKERY    ");
    System.out.println("=====");
    System.out.print("\n\nMasukkan data keberapa yang ingin dihapus : ");
    int menuHapus = Integer.parseInt(br.readLine());
    if(menuHapus == 1){
        System.out.println("Masukan Code Data Ice Bakery "); String findBkr1 = br.readLine();

        for(int i = 0; i < dataBkr.size(); i++){
            if(dataBkr.get(i).getCode().equals(findBkr1)){
                dataBkr.remove(i);
                System.out.println(" Data berhasil dihapus\n");
            }
        }
    }
}
}

```

## SS OUTPUT :

- Tampilan menu

```
Output - Main (run) #2

run:
=====
                Toko Kue Ice Bakery
=====
1.      Tambah
2.      Tampilkan
3.      Ubah
4.      Hapus
=====
```

- Tampilan menu tambah :

```
Masukkan Pilihan : 1
=====
                MENU
            TAMBAHKAN DATA MENU BAKERY
=====
Masukkan code    : A21
Masukkan varian  : Vanilla Cake
Masukkan stok    : 12
=====
```

```
Masukkan Pilihan : 1
=====
                MENU
            TAMBAHKAN DATA MENU BAKERY
=====
Masukkan code    : B21
Masukkan varian  : Matcha Sponge Cake
Masukkan stok    : 21
=====
                Toko Kue Ice Bakery
=====
1.      Tambah
2.      Tampilkan
3.      Ubah
4.      Hapus
=====
```

```

Masukkan Pilihan : 1
=====
                        MENU
                TAMBAHKAN DATA MENU BAKERY
=====
Masukkan code      : C21
Masukkan varian    : Chocolate
Masukkan stok      : 22
=====

```

- Tampilan setelah data berhasil ditambahkan :

```

Masukkan Pilihan : 2
=====
                        MENU
                LIHAT DATA MENU BAKERY
=====

Masukkan data ke berapa yang ingin dilihat : 1
Data di Ice Bakery
Code      : A21
Varian    : Vanilla Cake
Stok      : 12
Code      : B21
Varian    : Matcha Sponge Cake
Stok      : 21
Code      : C21
Varian    : Chocolate
Stok      : 22
=====
                Toko Kue Ice Bakery

```

Output

- Tampilan Ketika pilihan yang dimasukkan tidak sesuai, maka outputnya :

```

Masukkan Pilihan : 2
=====
                        MENU
                LIHAT DATA MENU BAKERY
=====

Masukkan data ke berapa yang ingin dilihat : 2
Data tiakk ditemukan
=====

```

- Tampilan menu edit :

```
Masukkan Pilihan : 3
=====
                        MENU
                LIHAT DATA MENU BAKERY
=====

Masukkan data yang ingin diedit : 1
Masukkan code data Bakery :
A21
Code      :
D21
Varian    :
Pancake
Stok      :
6
```

- Tampilan setelah data pertama dengan code A21 berhasil diubah:

```
Masukkan Pilihan : 2
=====
                        MENU
                LIHAT DATA MENU BAKERY
=====

Masukkan data ke berapa yang ingin dilihat : 1
Data di Ice Bakery
Code      : D21
Varian    : Pancake
Stok      : 6
Code      : B21
Varian    : Matcha Sponge Cake
Stok      : 21
Code      : C21
Varian    : Chocolate
Stok      : 22
```

- Tampilan menu hapus :

```
=====
                        Toko Kue Ice Bakery
=====
1.      Tambah
2.      Tampilkan
3.      Ubah
4.      Hapus
=====
```

Masukkan Pilihan : 4

```
=====
                        MENU
                LIHAT DATA MENU BAKERY
=====
```

Masukkan data yang ingin dihapus : 1  
Masukan Code Data Ice Bakery  
D21  
Data berhasil dihapus

- Tampilan data dengan code A21 berhasil dihapus :

```
=====
                        Toko Kue Ice Bakery
=====
1.      Tambah
2.      Tampilkan
3.      Ubah
4.      Hapus
=====
```

Masukkan Pilihan : 2

```
=====
                        MENU
                LIHAT DATA MENU BAKERY
=====
```

Masukkan data ke berapa yang ingin dilihat : 1  
Data di Ice Bakery  
Code : B21  
Varian : Matcha Sponge Cake  
Stok : 21  
Code : C21  
Varian : Chocolate  
Stok : 22