



```

    }
}

public static void addVape() throws IOException {
    System.out.println("===== Data Vape
Store =====");
    System.out.println("1. Tambah Liquid");
    System.out.println("2. Tambah Coil ");
    System.out.println("=====
==");
    System.out.print("Menu : ");
    int Menu = Integer.parseInt(br.readLine());

    System.out.println("===== Data Vape Store =====");
    if(Menu == 1){
        int id = LiquidList.size() + 1;
        System.out.print("Masukkan Brand          : ");
        String brand = br.readLine();
        System.out.print("Masukkan Model          : ");
        String model = br.readLine();
        System.out.print("Masukkan harga          : ");
        Double harga = Double.parseDouble(br.readLine());
        System.out.print("Masukkan nama          : ");
        String nama = br.readLine();
        System.out.print("Masukkan jenis          : ");
        String jenis = br.readLine();
        liquid liquid = new liquid(id, brand, model, harga, nama, jenis);
        LiquidList.add(liquid);
    }
    else if(Menu == 2){
        int id = Coillist.size() + 1;
        System.out.print("Masukkan Brand          : ");
        String brand = br.readLine();
        System.out.print("Masukkan Model          : ");
        String model = br.readLine();
        System.out.print("Masukkan harga          : ");
        Double harga = Double.parseDouble(br.readLine());
        System.out.print("Masukkan jenis          : ");
        String jenisc = br.readLine();
        System.out.print("Masukkan Jumlah Gulungan : ");
        String gulungan = br.readLine();
        coil coil = new coil(id, brand, model, harga, jenisc, gulungan);
        Coillist.add(coil);
    }
}

private static void viewVapeList() throws IOException {
    System.out.println("===== Data Vape
Store =====");
    System.out.println("1. Data Liquid");
    System.out.println("2. Data Coil ");
    System.out.println("=====
=====");
    System.out.print("Pilih Nomor: ");

```

```

        int pil = Integer.parseInt(br.readLine());
        if(pil == 1){
            System.out.println("-Data Liquid-");
            if (LiquidList.isEmpty()){
                System.out.println("Belum ada data yang tersimpan!");
            }else{
                for(int i = 0; i < LiquidList.size();i++){
                    System.out.println("Produk Ke-" + (i));
                    LiquidList.get(i).DataToko();
                }
            }
            System.out.println("\n-----
        -----");
        }else if(pil == 2){
            System.out.println("-Data Coil-");
            if (CoilList.isEmpty()){
                System.out.println("Belum ada data yang tersimpan!");
            }else{
                for(int i = 0; i < CoilList.size();i++){
                    CoilList.get(i).DataToko();
                }
            }
            System.out.println("\n-----
        -----");
        }else{
            System.out.println("Pilihan tidak ada!");
        }
    }

    private static void updateVape() throws IOException {
        System.out.println("===== Data Vape Store
        =====");
        System.out.println("1. Ubah Data Liquid");
        System.out.println("2. Ubah Data Coil ");
        System.out.println("=====
        ==");
        System.out.print("Menu : ");
        int Menu = Integer.parseInt(br.readLine());
        System.out.println("===== Data Vape Store =====");
        if(Menu == 1){
            System.out.print("Cari Nama : ");
            String Cari = br.readLine();
            for(int i= 0; i < LiquidList.size(); i++){
                liquid liquid = LiquidList.get(i);
                if(liquid.getNama().equals(Cari)){
                    int idbaru = i;
                    System.out.print("Masukkan Brand          : ");
                    String brand = br.readLine();
                    System.out.print("Masukkan Model          : ");
                    String model = br.readLine();
                    System.out.print("Masukkan harga          : ");
                    Double harga = Double.parseDouble(br.readLine());
                    System.out.print("Masukkan nama          : ");
                    String nama = br.readLine();

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                System.out.print("Masukkan jenis          : ");
                String jenis = br.readLine();
                liquid liquidupd = new liquid(idbaru, brand, model,
                harga, nama, jenis);
                LiquidList.set(i, liquidupd);
            }
        }
    }else if(Menu == 2){
        System.out.print("Cari Nama : ");
        String Cari = br.readLine();
        for(int i = 0; i < Coillist.size(); i++){
            coil coil = Coillist.get(i);
            if(coil.getBrand().equals(Cari)){
                int idbaru = i;
                System.out.print("Masukkan Brand          : ");
                String brand = br.readLine();
                System.out.print("Masukkan Model          : ");
                String model = br.readLine();
                System.out.print("Masukkan harga          : ");
                Double harga = Double.parseDouble(br.readLine());
                System.out.print("Masukkan jenis          : ");
                String jenisc = br.readLine();
                System.out.print("Masukkan Jumlah Gulungan : ");
                String gulungan = br.readLine();
                coil coilupd = new coil(idbaru, brand, model, harga,
                jenisc, gulungan);
                Coillist.set(i,coilupd);
            }
        }
    }else{
        System.out.println("Invalid Input!!! ");
        System.out.println("=====");
    }
}

private static void deleteVape() {
    if (LiquidList.isEmpty()) {
        System.out.println("Daftar vape kosong.");
    } else {
        System.out.print("Masukkan vape ID: ");
        int id = scanner.nextInt();

        boolean isVapeFound = false;
        for (int i = 0; i < LiquidList.size(); i++) {
            if (LiquidList.get(i).getId() == id) {
                LiquidList.remove(i);
                System.out.println("Vape Berhasil dihapus.");
                isVapeFound = true;
                break;
            }
        }

        if (!isVapeFound) {
            System.out.println("Vape Tidak Ditemukan.");
        }
    }
}

```

```
}  
}  
}
```

## Parent Class Vape

```
package produk;  
  
public abstract class vape {  
    private int id;  
    private String brand;  
    private String model;  
    private double harga;  
  
    public vape(int id, String brand, String model, double harga) {  
        this.id = id;  
        this.brand = brand;  
        this.model = model;  
        this.harga = harga;  
    }  
  
    public int getId() {  
        return id;  
    }  
  
    public String getBrand() {  
        return brand;  
    }  
  
    public void setBrand(String brand) {  
        this.brand = brand;  
    }  
  
    public String getModel() {  
        return model;  
    }  
  
    public void setModel(String model) {  
        this.model = model;  
    }  
  
    public double getHarga() {  
        return harga;  
    }  
  
    public void setHarga(double harga) {  
        this.harga = harga;  
    }  
  
    @Override  
    public String toString() {  
        return "Vape{" +  
            "id=" + id +  
            ", brand='" + brand + '\'' +
```

```

        ", model='" + model + '\'' +
        ", harga=" + harga +
        '}';
    }

    public void DataToko(){
        System.out.println("Nama Brand           : " + brand );
        System.out.println("Model Vape       : " + model );
        System.out.println("Harga Vape       : " + harga );
    }
    public abstract void vape();
}

```

## Child Class Liquid

```

package produk;

public final class liquid extends vape {
    private String nama;
    private String jenis;

    public final String produk = "Liquid";

    public liquid (int id, String brand, String model, double harga,String
nama, String jenis) {
        super(id, brand, model, harga);
        this.nama = nama;
        this.jenis = jenis;
    }

    public String getNama() {
        return nama;
    }

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

    public String getJenis() {
        return jenis;
    }

    public void setJenis(String jenis) {
        this.jenis = jenis;
    }

    public liquid get(int i) {
        return null;
    }
    @Override
    public void DataToko(){

```

```

        super.DataToko();
        System.out.println("Nama          : " + nama);
        System.out.println("Jenis          : " + jenis);
    }

    // overloading
    public void DataToko(boolean showID){
        if(showID) DataToko();
        else super.DataToko();
    }
}

```

## Child Class Coil

```

package produk;

public final class coil extends vape{
    private String jenisc;
    private String gulungan;

    public final String produk = "Coil";

    public coil (int id, String brand, String model, double harga,String
jenisc, String gulungan){
        super(id, brand, model, harga);
        this.jenisc = jenisc;
        this.gulungan = gulungan;
    }
    public String getJenisc() {
        return jenisc;
    }

    public void setJenisc(String jenisc) {
        this.jenisc = jenisc;
    }

    public String getGulungan() {
        return gulungan;
    }

    public void setGulungan(String gulungan) {
        this.gulungan = gulungan;
    }
    public coil get(int i) {
        return null;
    }
    @Override
    public void DataToko(){
        super.DataToko();
        System.out.println("Jenis Coil          : " + jenisc);
        System.out.println("Jumlah Gulungan      : " + gulungan);
    }
}

```

## Output

```
1. Tambah Data Vape
2. Lihat Vape List
3. Update Data Vape
4. Delete Data Vape
5. Exit
Pilih option: 1
===== Data Vape Store =====
1. Tambah Liquid
2. Tambah Coil
=====
Menu : 1
===== Data Vape Store =====
Masukkan Brand      : LostVape
Masukkan Model      : MOD
Masukkan harga      : 500000
Masukkan nama       : Thelema
Masukkan jenis      : Freebase
1. Tambah Data Vape
2. Lihat Vape List
3. Update Data Vape
4. Delete Data Vape
5. Exit
Pilih option: 1
===== Data Vape Store =====
```



```

===== Data Vape Store =====
1. Tambah Liquid
2. Tambah Coil
=====
Menu : 2
===== Data Vape Store =====
Masukkan Brand      : UrsaBaby
Masukkan Model      : POD
Masukkan harga      : 2200000
Masukkan jenis      : Alien
Masukkan Jumlah Gulungan : 3
1. Tambah Data Vape
2. Lihat Vape List
3. Update Data Vape
4. Delete Data Vape
5. Exit
Pilih option: 2
===== Data Vape Store =====
1. Data Liquid
2. Data Coil
=====
Pilih Nomor: 1
-Data Liquid-
Produk Ke-0
Nama Brand          : LostVape
Model Vape          : MOD
Harga Vape          : 500000.0
Nama                : Thelema
Jenis               : Freebase
-----

```

```

-----
1. Tambah Data Vape
2. Lihat Vape List
3. Update Data Vape
4. Delete Data Vape
5. Exit
Pilih option: 2
===== Data Vape Store =====
1. Data Liquid
2. Data Coil
=====
Pilih Nomor: 2
-Data Coil-
Nama Brand          : UrsaBaby
Model Vape          : POD
Harga Vape          : 2200000.0
Jenis Coil          : Alien
Jumlah Gulungan     : 3
-----
1. Tambah Data Vape
2. Lihat Vape List
3. Update Data Vape
4. Delete Data Vape
5. Exit
Pilih option: 5
PS C:\Users\hp\OneDrive\Dokumen\SEMESTER 4 RAMDAN\PBO\Posttest5> 

```