



```

    }
}

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 Liquid : ");
        String nama = br.readLine();
        System.out.print("Masukkan jenis Liquid : ");
        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 Coil : ");
        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 Liquid : ");
                String nama = br.readLine();
                System.out.print("Masukkan jenis Liquid : ");
                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 Coil   : ");
            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 implements liquidinterface {
    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 liquidinterface get(int i) {
        return null;
    }
    @Override
    public void DataToko(){
        super.DataToko();
        System.out.println("Nama Liquid          : " + nama);
        System.out.println("Jenis Liquid         : " + jenis);
        System.out.println("Tahun Produksi      : " + Tahun_Produksi());
        System.out.println("Made in              : " + Made_In());
    }
    @Override
    public String Tahun_Produksi(){
        return "2022";
    }
}
```

```

@Override
public String Made_In(){
    return "Indonesia ";
}

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

@Override
public void Vape() {
    // TODO Auto-generated method stub
    throw new UnsupportedOperationException("Unimplemented method 'Vape'");
}
}

```

### Child Class Coil

```

package produk;

public final class coil extends vape implements coilinterface{
    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 coilinterface get(int i) {
        return null;
    }
    @Override
    public void DataToko(){
        super.DataToko();
        System.out.println("Jenis Coil          : " + jenisc);
    }
}

```

```
        System.out.println("Jumlah Gulungan          : " + gulungan);
        System.out.println("Tahun Produksi          : " + Tahun_Produksi());
        System.out.println("Made in          : " + Made_In());
    }
    @Override
    public String Tahun_Produksi(){
        return "2020";
    }
    @Override
    public String Made_In(){
        return "Indonesia ";
    }

    @Override
    public void Vape() {
        // TODO Auto-generated method stub
        throw new UnsupportedOperationException("Unimplemented method 'Vape'");
    }
}
```

Child Class Produksi

```
package produk;

public interface Produksi {
    String Tahun_Produksi();
    String Made_In();
}
```

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> 

```