# III.Tugas

Implementasikan studi kasus yang telah dibuat pada tugas PBO Teori ke dalam program

**Code class Toko**

package pemrogramanberbasisobjek.pertemuan4;

import java.util.ArrayList;

public class Toko {

    private String nama;

    private String alamat;

    private String contact;

    private ArrayList<Admin> listAdmin;

    private ArrayList<Barang> listBarang;

    public Toko (String *nama*, String *alamat*, String *contact*){

*this*.nama = *nama*;

*this*.alamat = *alamat*;

*this*.contact = *contact*;

*this*.listAdmin = **new** ArrayList<>();

*this*.listBarang = **new** ArrayList<>();

    }

    public String getNama() {

        return *this*.nama;

    }

    public *void* setNama(String *nama*) {

*this*.nama = *nama*;

    }

    public String getAlamat() {

        return *this*.alamat;

    }

    public *void* setAlamat(String *alamat*) {

*this*.alamat = *alamat*;

    }

    public String getContact() {

        return *this*.contact;

    }

    public *void* setContact(String *contact*) {

*this*.contact = *contact*;

    }

    public String getInfoToko() {

        return nama + alamat + contact;

    }

    public *void* tambahBarang(Barang *barang*){

        listBarang.add(*barang*);

    }

    public *void* tambahAdmin(Admin *admin*){

        listAdmin.add(*admin*);

    }

     public String getInfo () {

        String info = "";

        info +="--------------------------------------\n";

        info += "Nama Toko\t\t: " + *this*.nama + "\n";

        info += "Contact\t\t\t: " + *this*.contact + "\n";

        info +="--------------------------------------\n";

        if (!listAdmin.isEmpty() ) {

            info += "Data admin  : \n";

            info +="\n";

            for (Admin admin : listAdmin ){

                info += admin.getDataAdmin();

            }

        }

        else {

            info += " ";

        }

        info +="\n";

        return info;

    }

}

**Code class Admin**

package pemrogramanberbasisobjek.pertemuan4;

public class Admin {

    private String nama;

    private *int* id;

    private String contact;

    private String alamat;

    public Admin(String *nama*, String *contact*, *int* *id*, String *alamat*){

*this*.nama = *nama*;

*this*.contact = *contact*;

*this*.id = *id*;

*this*.alamat = *alamat*;

    }

    public String getNama() {

        return *this*.nama;

    }

    public *void* setNama(String *nama*) {

*this*.nama = *nama*;

    }

    public *int* getId() {

        return *this*.id;

    }

    public *void* setId(*int* *id*) {

*this*.id = *id*;

    }

    public String getContact() {

        return *this*.contact;

    }

    public *void* setContact(String *contact*) {

*this*.contact = *contact*;

    }

    public String getAlamat() {

        return *this*.alamat;

    }

    public *void* setAlamat(String *alamat*) {

*this*.alamat = *alamat*;

    }

    public String getDataAdmin(){

        String info = "";

        info +="Nama Admin\t\t: " + *this*.nama + "\n";

        info +="Contact\t\t\t: " + *this*.contact + "\n";

        info +="Alamat Admin\t\t: " + *this*.alamat + "\n";

        info +="Id Admin\t\t: " + *this*.id;

        return info;

    }

}

**Code class Barang**

package pemrogramanberbasisobjek.pertemuan4;

public class Barang {

    private String nama;

    private String jenis;

    private *int* harga;

    private *int* id;

    public Barang(String *nama*, String *jenis*, *int* *harga*, *int* *id*){

*this*.nama = *nama*;

*this*.jenis = *jenis*;

*this*.harga = *harga*;

*this*.id = *id*;

    }

    public String getNama() {

        return *this*.nama;

    }

    public *void* setNama(String *nama*) {

*this*.nama = *nama*;

    }

    public String getJenis() {

        return *this*.jenis;

    }

    public *void* setJenis(String *jenis*) {

*this*.jenis = *jenis*;

    }

    public *int* getHarga() {

        return *this*.harga;

    }

    public *void* setHarga(*int* *harga*) {

*this*.harga = *harga*;

    }

    public *int* getId() {

        return *this*.id;

    }

    public *void* setId(*int* *id*) {

*this*.id = *id*;

    }

    public String getInfoBarang(){

        String info = "";

        info +="-------------------\n";

        info +="Data barang\t: \n";

        info +="Nama barang\t\t: " + *this*.nama + "\n";

        info +="Jenis barang\t\t: " + *this*.jenis + "\n";

        info +="Harga barang @\t\t: " + *this*.harga + "\n";

        info +="Id barang\t\t: " + *this*.id;

        return info;

    }

}

**Code class DemoToko**

package pemrogramanberbasisobjek.pertemuan4;

public class DemoToko {

    public static *void* main(String[] *args*) {

        Barang barang1 = **new** Barang("Phone", "Electronic", 2000000, 111);

        Admin admin1 = **new** Admin("User1", "08123456", 101, "Malang-Blok A1");

        Toko toko1 = **new** Toko("Center-J1", "Blok-A 404", "000405");

        toko1.tambahAdmin(admin1);

        toko1.tambahBarang(barang1);

        System.out.println(toko1.getInfo());

        System.out.println(barang1.getInfoBarang());

        System.out.println();

        System.out.println();

        Barang barang2 = **new** Barang("NoteBook", "Electronic", 12000000, 112);

        Admin admin2 = **new** Admin("User2", "08123999", 102, "Malang-Blok B2");

        Toko toko2 = **new** Toko("Center-J2", "Blok-B 405", "000409");

        toko2.tambahAdmin(admin2);

        toko2.tambahBarang(barang2);

        System.out.println(toko2.getInfo());

        System.out.println(barang2.getInfoBarang());

        Barang barang3 = **new** Barang("Computer", "Electronic", 13000000, 113);

        Admin admin3 = **new** Admin("User3", "0812808", 103, "Malang-Blok C");

        Toko toko3 = **new** Toko("Center-J3", "Blok-C 406", "000407");

        toko3.tambahAdmin(admin3);

        toko3.tambahBarang(barang3);

        System.out.println(toko3.getInfo());

        System.out.println(barang3.getInfoBarang());

    }

}

Hasil running

