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POSTTEST 4

Pemrograman Berorientasi Objek

File name : Regular.java

```
package posttest4;
public class Regular extends Kos {
    private String fasilitas = "Kipas Angin + Kamar Mandi Dalam";
    private String lantai = "1";
    private int harga = 700000;
    private String status;

    public Regular(String nama, String alamat, int noHp, String status) {
        super(nama, alamat, noHp);
        this.status = status;
    }
    public String getFasilitas() {
        return fasilitas;
    }
    public String getLantai() {
        return lantai;
    }
    public int getHarga() {
        return harga;
    }
    public String getStatus() {
        return status;
    }
    public void setStatus(String status) {
        this.status = status;
    }
    @Override
    public void SEE() {
        super.SEE();
        System.out.println("Fasilitas : " + fasilitas);
    }
}
```

```
        System.out.println("Lantai      : "+lantai);
        System.out.println("Harga      : "+harga);
        System.out.println("Status    : " + status);
    }
}
```

File name : VIP.java

```
package posttest4;

public class VIP extends kos{
    private String fasilitas = "AC + Kamar Mandi Dalam";
    private String lantai = "2";
    private int harga = 1500000;
    private String status;

    public VIP(String nama,String alamat, int noHp, String status) {
        super(nama, alamat, noHp);
        this.status = status;
    }
    public String getFasilitas() {
        return fasilitas;
    }
    public String getLantai() {
        return lantai;
    }
    public int getHarga() {
        return harga;
    }
    public String getStatus() {
        return status;
    }
    public void setStatus(String status) {
        this.status = status;
    }
}

@Override
public void SEE(){
```

```

        super.SEE();
        System.out.println("Fasilitas   : " + fasilitas);
        System.out.println("Lantai     : "+lantai);
        System.out.println("Harga      : "+harga);
        System.out.println("Status    : " + status);
    }

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

```

File name :kos.java

```

package posttest4;
public class kos {
    private String nama;
    private String alamat;
    private int noHp;

    public kos(String nama, String alamat, int noHp){
        this.nama = nama;
        this.alamat = alamat;
        this.noHp = noHp;
    }
    public String getNama() {
        return nama;
    }
    public void setNama(String nama) {
        this.nama = nama;
    }
    public String getAlamat() {
        return alamat;
    }
    public void setAlamat(String alamat) {
        this.alamat = alamat;
    }
}

```

```

    }
    public int getNoHp() {
        return noHp;
    }
    public void setNoHp(int noHp) {
        this.noHp = noHp;
    }

    public void SEE(){
        System.out.println("Nama      : " + nama );
        System.out.println("Alamat   : " + alamat);
        System.out.println("noHp    : " + noHp );
    }
}

```

File name : main.java

```

package posttest4;

import java.io.BufferedReader;
import java.io.IOException;
import java.io.InputStreamReader;
import java.util.ArrayList;

public class main {
    static BufferedReader input = new BufferedReader(new
    InputStreamReader(System.in));
    static ArrayList<VIP> listVip = new ArrayList<>();
    static ArrayList<Reguler> listRegu = new ArrayList<>();

    public static void froze() throws IOException {
        System.out.print("Tekan Enter Untuk Melanjutkan... ");
        input.readLine();
        System.out.println("");
    }

    public static void insert() throws IOException {
        System.out.println("\n\n  Program Pendataan Kamar Kost Irene Rvelvet");
    }
}

```

```

System.out.println("=====
=====");
    System.out.println("Pilih Jenis Kamar : ");
    System.out.println("1. VIP");
    System.out.println("2. Reguler");
    System.out.print("Pilih Data: ");
    int pil = Integer.parseInt(input.readLine());
    if(pil == 1){
        System.out.println("===== Masukkan Data Kamar VIP
=====");
        System.out.print("Masukkan Nama Penyewa      : ");
        String nama = input.readLine();
        System.out.print("Masukkan Alamat          : ");
        String alamat = input.readLine();
        System.out.print("Masukkan No. Hp      : ");
        int noHp = Integer.parseInt(input.readLine());
        System.out.print("Masukkan Status      : ");
        String status = input.readLine();

        System.out.println("=====
=====");
        listVip.add(new VIP(nama, alamat, noHp, status));
        System.out.println("Data " + nama + " berhasil ditambahkan!");

    }else if(pil == 2){
        System.out.println("===== Masukkan Data Kamar Reguler
=====");
        System.out.print("Masukkan Nama Penyewa      : ");
        String nama = input.readLine();
        System.out.print("Masukkan Alamat          : ");
        String alamat = input.readLine();
        System.out.print("Masukkan No. Hp      : ");
        int noHp = Integer.parseInt(input.readLine());
        System.out.print("Masukkan Status      : ");
        String status = input.readLine();

        System.out.println("=====
=====");
        listRegu.add(new Reguler(nama, alamat, noHp, status));

```

```

        System.out.println("Data " + nama + " berhasil ditambahkan!");

    }else{
        System.out.println("Pilihan Salah");

    }
}

public static void display() throws IOException{
    System.out.println("\n\n  Program Pendataan Kamar Kost Irene Rvelvet");

    System.out.println("=====
=====");
    System.out.println("Pilih Jenis Kamar : ");
    System.out.println("1. VIP");
    System.out.println("2. Reguler");
    System.out.print("Pilih Data: ");
    int pil = Integer.parseInt(input.readLine());
    if(pil == 1){
        System.out.println("\n===== LIHAT DATA KAMAR
=====");
        if (listVip.isEmpty()){
            System.out.println("\ndata kosong!");
        }else{
            for(int i = 0; i < listVip.size();i++){
                listVip.get(i).SEE();
            }
        }
    }

    System.out.println("=====
");
    }else if(pil == 2){
        System.out.println("\n===== LIHAT DATA KAMAR
=====");
        if (listRegu.isEmpty()){
            System.out.println("Belum ada data yang tersimpan!");
        }else{
            for(int i = 0; i < listRegu.size();i++){
                listRegu.get(i).SEE();
            }
        }
    }
}

```

```

    }

    System.out.println("=====");
    }else{
        System.out.println("Pilihan salah");

    }
}

public static void update() throws IOException{
    System.out.println("\n\n  Program Pendataan Kamar Kost Irene Rvelvet");

    System.out.println("=====
=====");
    System.out.println("Pilih Jenis Kamar : ");
    System.out.println("1. VIP");
    System.out.println("2. Regular");
    System.out.print("Pilih Data: ");
    int pil = Integer.parseInt(input.readLine());
    if(pil == 1){
        if (listVip.isEmpty()) {
            System.out.println("Belum ada data yang tersimpan!");
        } else {
            System.out.print("Masukkan Indeks data VIP yang mau diubah: ");
            int index = Integer.parseInt(input.readLine());
            if (index < 0 || index >= listVip.size()) {
                System.out.println("Indeks tidak ditemukan!");
            } else {
                VIP vip = listVip.get(index);
                System.out.println("Data Kamar " + index);
                System.out.println(vip);
                System.out.println("===== Data Kamar Yang Baru =====");
                System.out.print("Nama Penyewa      : ");
                vip.setNama(input.readLine());
                System.out.print("Masukkan Alamat      : ");
                vip.setAlamat(input.readLine());
                System.out.print("Masukkan No. Hp      : ");
                vip.setNoHp(Integer.parseInt(input.readLine()));
                System.out.print("Masukkan Status      : ");
                vip.setStatus(input.readLine());
            }
        }
    }
}

```

```

System.out.println("=====
=====");
    System.out.println("Data Kamar berhasil diubah!");
    }
    }
} else if(pil == 2){
    if (listRegu.isEmpty()) {
        System.out.println("Belum ada data yang tersimpan!");
    } else {
        System.out.print("Masukkan Indeks data Reguler yang mau diubah: ");
        int index = Integer.parseInt(input.readLine());
        if (index < 0 || index >= listRegu.size()) {
            System.out.println("Indeks tidak ditemukan!");
        } else {
            Regular regu = listRegu.get(index);
            System.out.println("Data Kamar " + index);
            System.out.println(regu);
            System.out.println("===== Masukkan Kamar yang Baru
=====");
            System.out.print("Nama Penyewa      : ");
            regu.setNama(input.readLine());
            System.out.print("Masukkan Alamat      : ");
            regu.setAlamat(input.readLine());
            System.out.print("Masukkan No. Hp      : ");
            regu.setNoHp(Integer.parseInt(input.readLine()));
            System.out.print("Masukkan Status      : ");
            regu.setStatus(input.readLine());

System.out.println("=====
=====");
    System.out.println("Data Kamar berhasil diubah!");
    }
    }
} else{
    System.out.println("Input Salah");
}
}

public static void delete() throws IOException{

```



```

        System.out.println("\n\n  Program Pendataan Kamar Kost Irene Rvelvet");

System.out.println("=====
=====");
        System.out.println("Pilih Jenis Kamar : ");
        System.out.println("1. VIP");
        System.out.println("2. Reguler");
        System.out.print("Pilih Data: ");
        int pil = Integer.parseInt(input.readLine());
        if(pil == 1){
            if (listVip.isEmpty()) {
                System.out.println("\nData Kosong!");
            } else {
                System.out.print("Hapus pada data ke : ");
                int index = Integer.parseInt(input.readLine());
                if (index < 0 || index >= listVip.size()) {
                    System.out.println("Indeks tidak ada!");
                } else {
                    VIP vip = listVip.get(index);
                    listVip.remove(index);
                    System.out.println("Data Kamar dengan indeks " + index + "
berhasil dihapus:");
                }
            }
        }else if(pil == 2){
            if (listRegu.isEmpty()) {
                System.out.println("\nData Kosong!");
            } else {
                System.out.print("Hapus pada data ke: ");
                int index = Integer.parseInt(input.readLine());
                if (index < 0 || index >= listRegu.size()) {
                    System.out.println("Indeks tidak ada!");
                } else {
                    Reguler regu = listRegu.get(index);
                    listRegu.remove(index);
                    System.out.println("Data Kamar dengan indeks " + index + "
berhasil dihapus:");
                }
            }
        }
    }
}

```

```

    }else{
        System.out.println("Input Salah");
    }

}

public static void main(String[] args) throws IOException {
    boolean menu = true;
    while(menu == true){
        System.out.println("\n\n  Program Pendataan Kamar Kost Irene Rvelvet");

        System.out.println("=====
        =====");
        System.out.println("1. Insert");
        System.out.println("2. Display");
        System.out.println("3. Update");
        System.out.println("4. Delete");
        System.out.println("5. Exit");

        System.out.println("=====
        =====");
        System.out.print("Masukkan Pilihan: ");
        int pilih = Integer.parseInt(input.readLine());
        switch(pilih){
            case 1:
                insert();
                froze();
                break;
            case 2:
                display();
                froze();
                break;
            case 3:
                update();
                froze();
                break;
            case 4:
                delete();
                froze();
                break;

```

```

        case 5:
            System.out.println(" \n      PROGRAM SELESAI      ");
            System.exit(0);
        default:
            System.out.println("Masukkan angka 1-5 saja!");
            froze();
            break;
    }
}
}
}
}

```

OUTPUT

VIP

```

      Program Pendataan Kamar Kost Irene Rvelvet
=====
1. Insert
2. Display
3. Update
4. Delete
5. Exit
=====
Masukkan Pilihan: 1

      Program Pendataan Kamar Kost Irene Rvelvet
=====
Pilih Jenis Kamar :
1. VIP
2. Reguler
Pilih Data: 1
===== Masukkan Data Kamar VIP =====
Masukkan Nama Penyewa      : Irene
Masukkan Alamat            : Gelarik
Masukkan No. Hp            : 02828113
Masukkan Status            : Sudah Bayar
=====
Data Irene berhasil ditambahkan!

```

Program Pendataan Kamar Kost Irene Rvelvet

Pilih Jenis Kamar :

1. VIP

2. Reguler

Pilih Data: 1

===== LIHAT DATA KAMAR =====

Nama : Irene
Alamat : Gelarik
noHp : 2828113
Fasilitas : AC + Kamar Mandi Dalam
Lantai : 2
Harga : 1500000
Status : Sudah Bayar

Tekan Enter Untuk Melanjutkan...

Program Pendataan Kamar Kost Irene Rvelvet

Pilih Jenis Kamar :

1. VIP

2. Reguler

Pilih Data: 1

Masukkan Indeks data VIP yang mau diubah: 0

Data Kamar 0

posttest4.VIP@27973e9b

===== Data Kamar Yang Baru =====

Nama Penyewa : suho
Masukkan Alamat : Pemuda
Masukkan No. Hp : 018727244
Masukkan Status : Belum Bayar

Data Kamar berhasil diubah!

Tekan Enter Untuk Melanjutkan...

Program Pendataan Kamar Kost Irene Rvelvet

- ```
=====
```
1. Insert
  2. Display
  3. Update
  4. Delete
  5. Exit
- ```
=====
```

Masukkan Pilihan: 4

Program Pendataan Kamar Kost Irene Rvelvet

```
=====
```

Pilih Jenis Kamar :

1. VIP
2. Reguler

Pilih Data: 1

Hapus pada data ke : 0

Data Kamar dengan indeks 0 berhasil dihapus:

Tekan Enter Untuk Melanjutkan... 2

Reguler

```
Program Pendataan Kamar Kost Irene Rvelvet
=====
1. Insert
2. Display
3. Update
4. Delete
5. Exit
=====
Masukkan Pilihan: 1

Program Pendataan Kamar Kost Irene Rvelvet
=====
Pilih Jenis Kamar :
1. VIP
2. Reguler
Pilih Data: 2
===== Masukkan Data Kamar Reguler =====
Masukkan Nama Penyewa           : Novita
Masukkan Alamat                 : Nusantara
Masukkan No. Hp                 : 092872135
Masukkan Status                 : Sudah Bayar
=====
Data Novita berhasil ditambahkan!
```

Program Pendataan Kamar Kost Irene Rvelvet

Pilih Jenis Kamar :

1. VIP
2. Reguler

Pilih Data: 2

===== LIHAT DATA KAMAR =====

Nama : Novita
Alamat : Nusantara
noHp : 92872135
Fasilitas : Kipas Angin + Kamar Mandi Dalam
Lantai : 1
Harga : 700000
Status : Sudah Bayar

Tekan Enter Untuk Melanjutkan...

Program Pendataan Kamar Kost Irene Rvelvet

Pilih Jenis Kamar :

1. VIP
2. Reguler

Pilih Data: 2

Masukkan Indeks data Reguler yang mau diubah: 0

Data Kamar 0

posttest4.Reguler@27973e9b

===== Masukkan Kamar yang Baru =====

Nama Penyewa : Rini
Masukkan Alamat : Belatuk
Masukkan No. Hp : 02832374
Masukkan Status : Belum Bayar

Data Kamar berhasil diubah!

Tekan Enter Untuk Melanjutkan...

Program Pendataan Kamar Kost Irene Rvelvet

Pilih Jenis Kamar :

1. VIP
2. Reguler

Pilih Data: 2

Hapus pada data ke: 0

Data Kamar dengan indeks 0 berhasil dihapus:

Tekan Enter Untuk Melanjutkan...

Program Pendataan Kamar Kost Irene Rvelvet

1. Insert
 2. Display
 3. Update
 4. Delete
 5. Exit
-

Masukkan Pilihan: 5

PROGRAM SELESAI

BUILD SUCCESSFUL (total time: 2 minutes 29 seconds)

|