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### **POSTTEST 6**

**SourceCode : MAIN**

```
/*
 * 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 posttest6;

import java.util.Scanner;
import java.util.ArrayList;

/**
 *
 * @author ASUS
 */
public class Main {

    /**
     * @param args the command line arguments
     */
    static Scanner input = new Scanner(System.in);
    static ArrayList<Pasien> datapasien = new ArrayList<>();
    static ArrayList<Perawat> dataperawat = new ArrayList<>();
    static Homecare HOMECARE;

    public static void main(String[] args) {
        //Scanner input = new Scanner(System.in);
        int Menu;
        String nama;
        while (true){

            System.out.println("WELCOME TO HOME CARE");
            System.out.println("1. Create");
            System.out.println("2. Read");
            System.out.println("3. Update");
            System.out.println("4. Delete");
            System.out.println("5. Exit");
            System.out.println("=====");

            System.out.print("Masukan Pilihan : ");
            Menu = input.nextInt(); input.nextLine();
            switch (Menu) {
                case 1:
                    System.out.println("1. Pasien");
                    System.out.println("2. Perawat");
                    System.out.println("Masukan pilihan : ");
                    Menu = input.nextInt(); input.nextLine();
```

```

if (Menu == 1) {
    System.out.println("Masukan nama : ");
    nama = input.nextLine();
    System.out.println("Gender : ");
    String gender = input.nextLine();
    System.out.println("Alamat : ");
    String alamat = input.nextLine();
    System.out.println("Mengidap Penyakit : ");
    String riwayat_sakit = input.nextLine();
    datapasien.add(new Pasien(nama, gender, alamat, riwayat_sakit));
} else {
    System.out.println("Masukan nama : ");
    nama = input.nextLine();
    System.out.println("ID Staff : ");
    String StaffId = input.nextLine();
    System.out.println("Gender : ");
    String gender = input.nextLine();
    System.out.println("Alamat : ");
    String alamat = input.nextLine();
    dataperawat.add(new Perawat(nama, StaffId, gender, alamat));
}
break;
case 2:
    System.out.println("1. Pasien");
    System.out.println("2. Perawat");
    System.out.println("Masukan pilihan : ");
    Menu = input.nextInt(); input.nextLine();
    if (Menu == 1) {
        for (int i = 0; i < datapasien.size(); i++) {
            System.out.println("Pasien ke - " + (i + 1));
            datapasien.get(i).display();
        }
    } else {
        for (int i = 0; i < dataperawat.size(); i++) {
            System.out.println("Perawat ke - " + (i + 1));
            dataperawat.get(i).display();
        }
    }
    break;
case 3:
    System.out.println("1. Pasien");
    System.out.println("2. Perawat");
    System.out.println("Masukan pilihan : ");
    Menu = input.nextInt(); input.nextLine();
    if (Menu == 1) {
        System.out.println("Nama Pasien : ");
        nama = input.nextLine();
        for (Pasien i : datapasien) {
            if (i.getnama().equals(nama)) {
                System.out.println("Nama Pasien : ");
                i.setnama(input.nextLine());
                System.out.println("Gender : ");
                i.setgender(input.nextLine());
                System.out.println("Alamat : ");
                i.setalamat(input.nextLine());
            }
        }
    }
}

```

```

        System.out.println("Mengidap Penyakit : ");
        i.setriwayat sakit(input.nextLine());
    }
}
} else {
    System.out.println("Nama Perawat : ");
    nama = input.nextLine();
    for (Perawat i : dataperawat) {
        if (i.getnama().equals(nama)) {
            System.out.println("Nama Perawat : ");
            i.setnama(input.nextLine());
            System.out.println("Gender : ");
            i.setgender(input.nextLine());
            System.out.println("Alamat : ");
            i.setalamat(input.nextLine());
            System.out.println("ID Staff : ");
            i.setStaffId(input.nextLine());
        }
    }
}
}
break;
case 4:
    System.out.println("1. Pasien");
    System.out.println("2. Perawat");
    System.out.println("Masukan pilihan : ");
    Menu = input.nextInt(); input.nextLine();
    if (Menu == 1) {
        System.out.println("Nama Pasien : ");
        nama = input.nextLine();
        for (Pasien i : datapasien) {
            if (i.getnama().equals(nama)) {
                datapasien.remove(i);
            }
        }
    } else {
        System.out.println("Nama Perawat : ");
        nama = input.nextLine();
        for (Perawat i : dataperawat) {
            if (i.getnama().equals(nama)) {
                dataperawat.remove(i);
            }
        }
    }
}
break;
case 5:
    // static method
    Homecare.ucapan();
    System.out.println("Terima Kasih");
    System.exit(0);
default:
    System.out.println("NOT FOUND");
    break;
}
}
}

```

### SourceCode : Homecare dan keyword static

```
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 */
package posttest6;

/**
 *
 * @author ASUS
 */
public abstract class Homecare implements Home {

    protected String nama, gender, alamat;

    public abstract void hidup();

    public Homecare(String nama, String gender, String alamat) {
        this.nama = nama;
        this.gender = gender;
        this.alamat = alamat;
    }

    public final String getnama() {
        return nama;
    }

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

    public final String getgender() {
        return gender;
    }

    public final void setgender(String gender) {
        this.gender = gender;
    }

    public final String getalamat() {
        return alamat;
    }

    public final void setalamat(String alamat) {
        this.alamat = alamat;
    }

    static String ucapan() {
        return "Terima Kasih";
    }
}
```

**SourceCode : Perawat**

```
/*
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 */
package posttest6;

/**
 *
 * @author ASUS
 */
public class Perawat extends Homecare {

    private String StaffId;

    public Perawat (String StaffId, String nama, String gender, String alamat) {
        super(nama, gender, alamat);
        this.StaffId = StaffId;
    }

    public String getStaffId() {
        return StaffId;
    }

    public void setStaffId(String StaffId) {
        this.StaffId = StaffId;
    }

    public void display() {
        System.out.println("Nama      : " + getnama());
        System.out.println("Gender    : " + getgender());
        System.out.println("Alamat    : " + getalamat());
        System.out.println("ID STAFF  : " + getStaffId());
        this.hidup();
    }

    @Override
    public void hidup() {
        System.out.println("Perawat :"+this.nama+" \t Semoga Lekas Sembuh");
    }

}
```

**SourceCode : Pasien**

```
/*
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 */
package posttest6;

/**
 *
 * @author ASUS
 */
public class Pasien extends Homecare {
    private String riwayatsakit;

    public Pasien(String riwayatsakit, String nama, String gender, String alamat) {
        super(nama, gender, alamat);
        this.riwayatsakit = riwayatsakit;
    }

    public String getriwayatsakit() {
        return riwayatsakit;
    }

    public void setriwayatsakit(String riwayatsakit) {
        this.riwayatsakit = riwayatsakit;
    }

    public void display() {
        System.out.println("Nama      : " + getnama());
        System.out.println("Gender    : " + getgender());
        System.out.println("Alamat    : " + getalamat());
        System.out.println("Mengidap Penyakit: " + getriwayatsakit());
        this.hidup();
    }

    @Override
    public void hidup() {
        System.out.println("Pasien : " + this.nama + "\t Terima Kasih");
    }
}
```

**SourceCode: Home/interface**

```
package posttest6;

interface Home {

    abstract void display();
    abstract void hidup();

}
```

SS PROGRAM :

➤ Create Pasien

```
WELCOME TO HOME CARE
1. Create
2. Read
3. Update
4. Delete
5. Exit
```

=====

Masukan Pilihan : 1

1. Pasien

2. Perawat

Masukan pilihan :

1

Masukan nama :

Nebula

Gender :

Perempuan

Alamat :

Mars

Mengidap Penyakit :

Lumpuh

➤ Create Perawat

```
WELCOME TO HOME CARE
```

1. Create

2. Read

3. Update

4. Delete

5. Exit

=====

Masukan Pilihan : 1

1. Pasien

2. Perawat

Masukan pilihan :

2

Masukan nama :

Ben

ID Staff :

54321

Gender :

Pria

Alamat :

Bumi

➤ Read Pasien

```
Masukan Pilihan : 2
1. Pasien
2. Perawat
Masukan pilihan :
1
Pasien ke - 1
Nama          : Perempuan
Gender        : Mars
Alamat        : Lumpuh
Mengidap Penyakit: Nebula
Pasien :Perempuan      Terima Kasih
```

➤ Read Perawat

```
Masukan Pilihan : 2
1. Pasien
2. Perawat
Masukan pilihan :
2
Perawat ke - 1
Nama          : 54321
Gender        : Pria
Alamat        : Bumi
ID STAFF      : Ben
Perawat :54321      Semoga Lekas Sembuh
```

(Mohon maaf di bagian ini saya pun bingung kenapa bagian read nya bisa teacak Sudah di ubah juga di codingannya tetap hasilnya sama )

➤ Update Data

```
Masukan Pilihan : 3
1. Pasien
2. Perawat
Masukan pilihan :
1
Nama Pasien :
Nebula
WELCOME TO HOME CARE
1. Create
2. Read
3. Update
4. Delete
5. Exit
=====
Masukan Pilihan : 2
1. Pasien
2. Perawat
Masukan pilihan :
1
Pasien ke - 1
Nama          : Perempuan
Gender        : Mars
Alamat        : Lumpuh
Mengidap Penyakit: Nebula
Pasien :Perempuan      Terima Kasih
```

(Mohon maaf di bagian update pun masih belum sempurna padahal sudah tertera jelas tidak ada eror di program tapi malah tidak bisa jalan dengan sempurna)



### ➤ Delete Data

Masukan Pilihan : 4

1. Pasien

2. Perawat

Masukan pilihan :

2

Nama Perawat :

Ben

Di bagian ini kita bisa melihat data yang telah di hapus tadi di bagian read

```
Masukan Pilihan : 2
1. Pasien
2. Perawat
Masukan pilihan :
2
Perawat ke - 1
Nama      : 54321
Gender    : Pria
Alamat    : Bumi
ID STAFF   : Ben
Perawat :54321  Semoga Lekas Sembuh
WELCOME TO HOME CARE
1. Create
2. Read
3. Update
4. Delete
5. Exit
=====
Masukan Pilihan : 4
1. Pasien
2. Perawat
Masukan pilihan :
2
Nama Perawat :
54321
Exception in thread "main" java.util.ConcurrentModificationException
    at java.base/java.util.ArrayList$Itr.checkForComodification(ArrayList.java:1013)
    at java.base/java.util.ArrayList$Itr.next(ArrayList.java:967)
    at posttest6.Main.main(Main.java:141)
C:\Users\ASUS\AppData\Local\NetBeans\Cache\12.6\executor-snippets\run.xml:111: The following error occurred while executing this line:
C:\Users\ASUS\AppData\Local\NetBeans\Cache\12.6\executor-snippets\run.xml:68: Java returned: 1
BUILD FAILED (total time: 2 minutes 48 seconds)
```

(Mohon maaf di bagian ini juga masih belum bisa tersempurnakan karna nama yang di panggil juga masih bingung kenapa tidak bisa di hapus).

### ➤ Exit

-----  
WELCOME TO HOME CARE

1. Create

2. Read

3. Update

4. Delete

5. Exit

=====

Masukan Pilihan : 5

Terima Kasih

(Didalam Exit terdapat static Method Terima Kasih)