Laporan Praktikum Pemrograman Berbasis Object
KUIS 2

Oleh :

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Kelas TI-2B

PROGRAM STUDI D-IV TEKNIK INFORMATIKA

JURUSAN TEKNOLOGI INFORMASI

POLITEKNIK NEGERI MALANG

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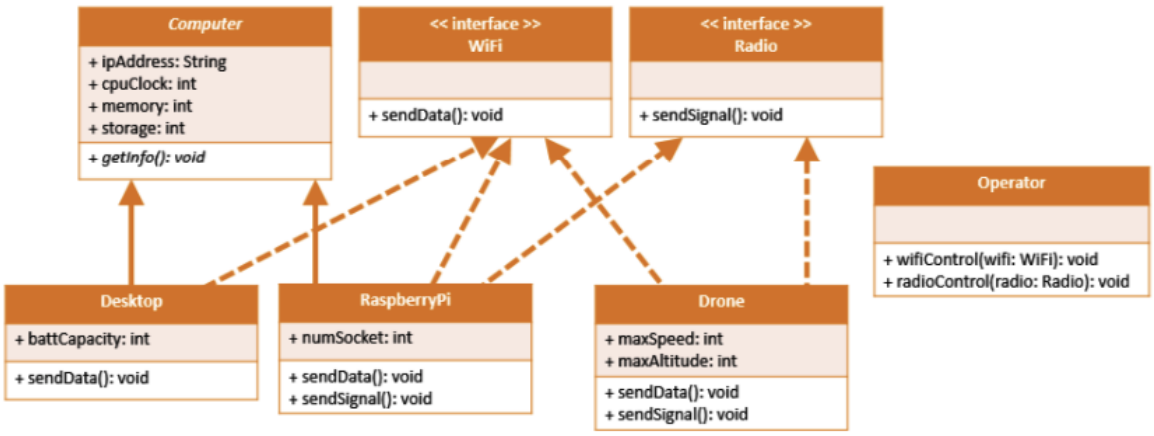
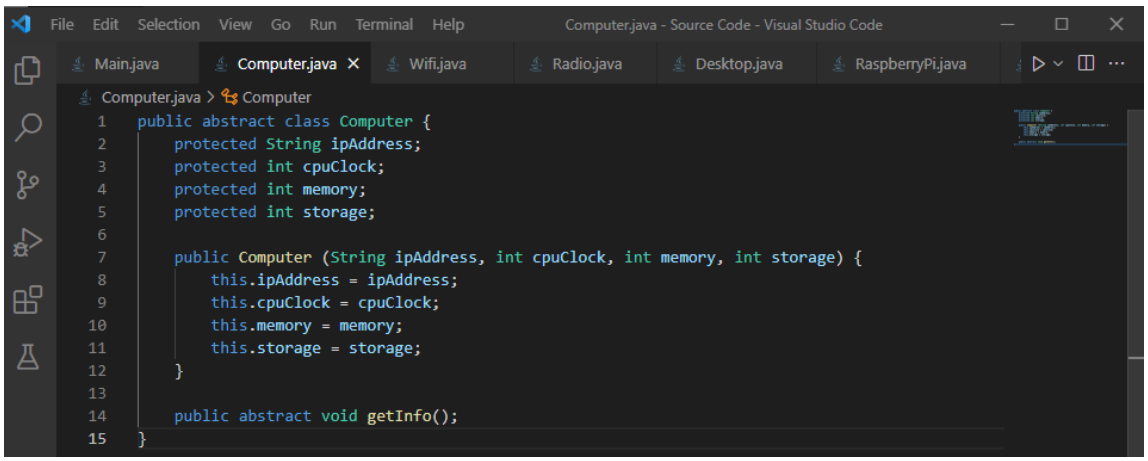
Soal :

Buatlah kode program dari class diagram di bawah ini. Terdapat class computer yang berupa abstract class, berikut class turunannya dan class lain yang mengimplementasikan interface WiFi dan Radio. Seperti biasa, kode program dikumpulkan di github, lakukan pullreq di repo berikut https://github.com/PBO2122-TI2B/kuis2.git

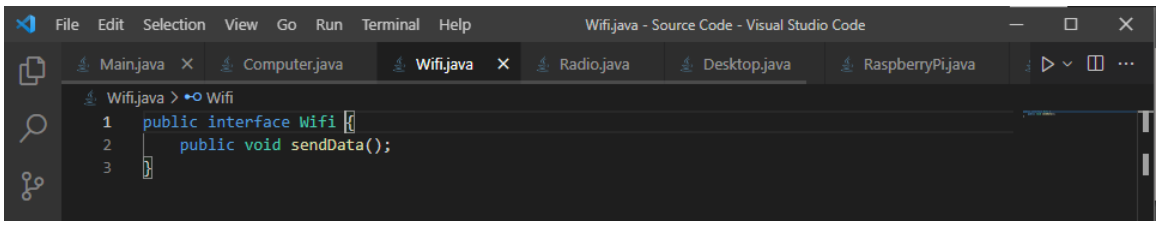


Jawab :

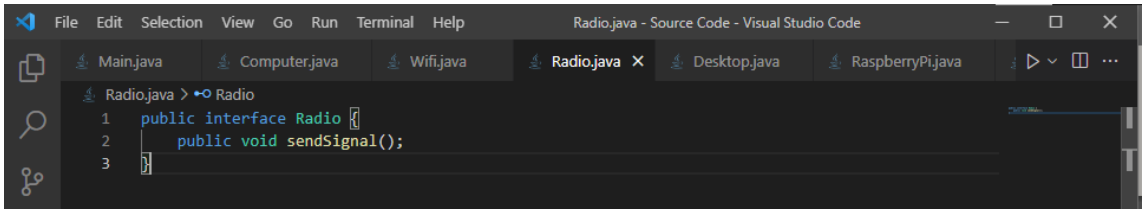
Class Computer :



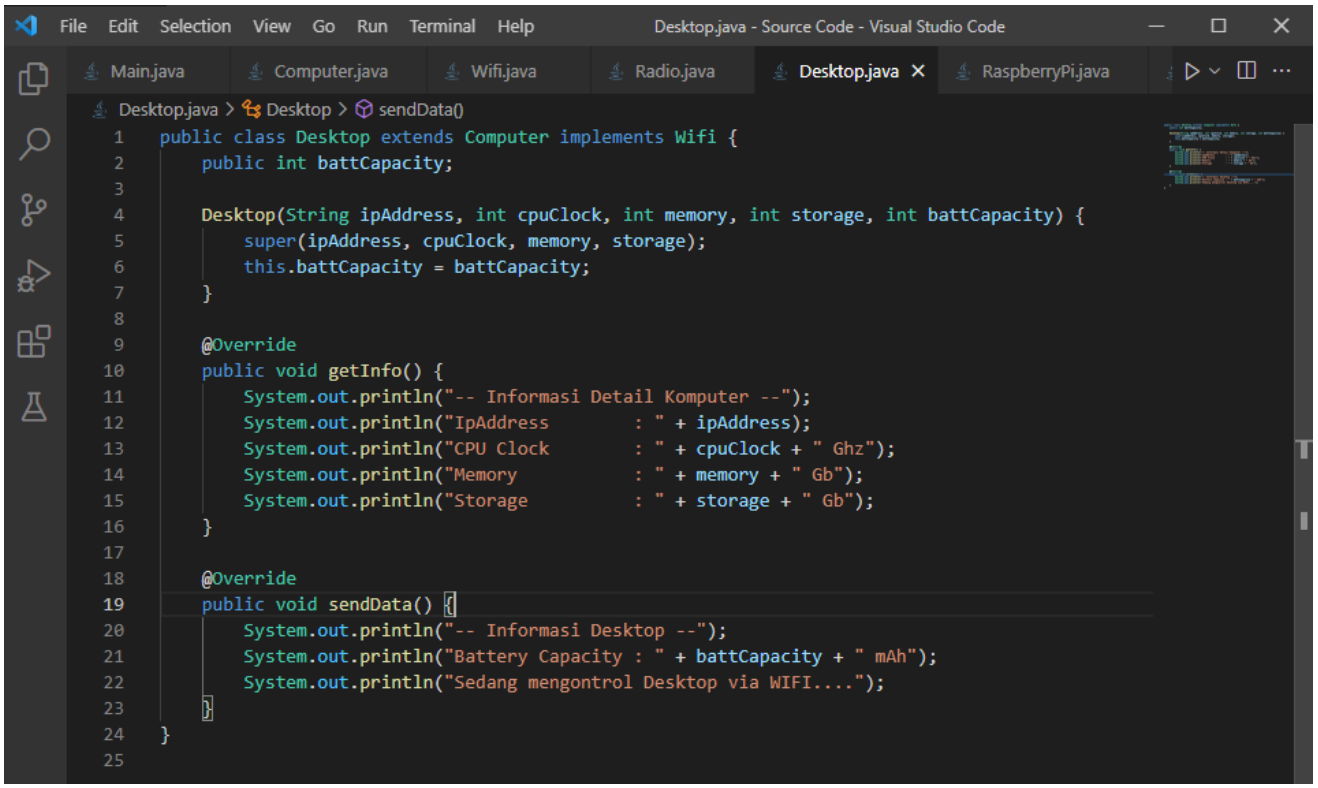
Class Wifi :



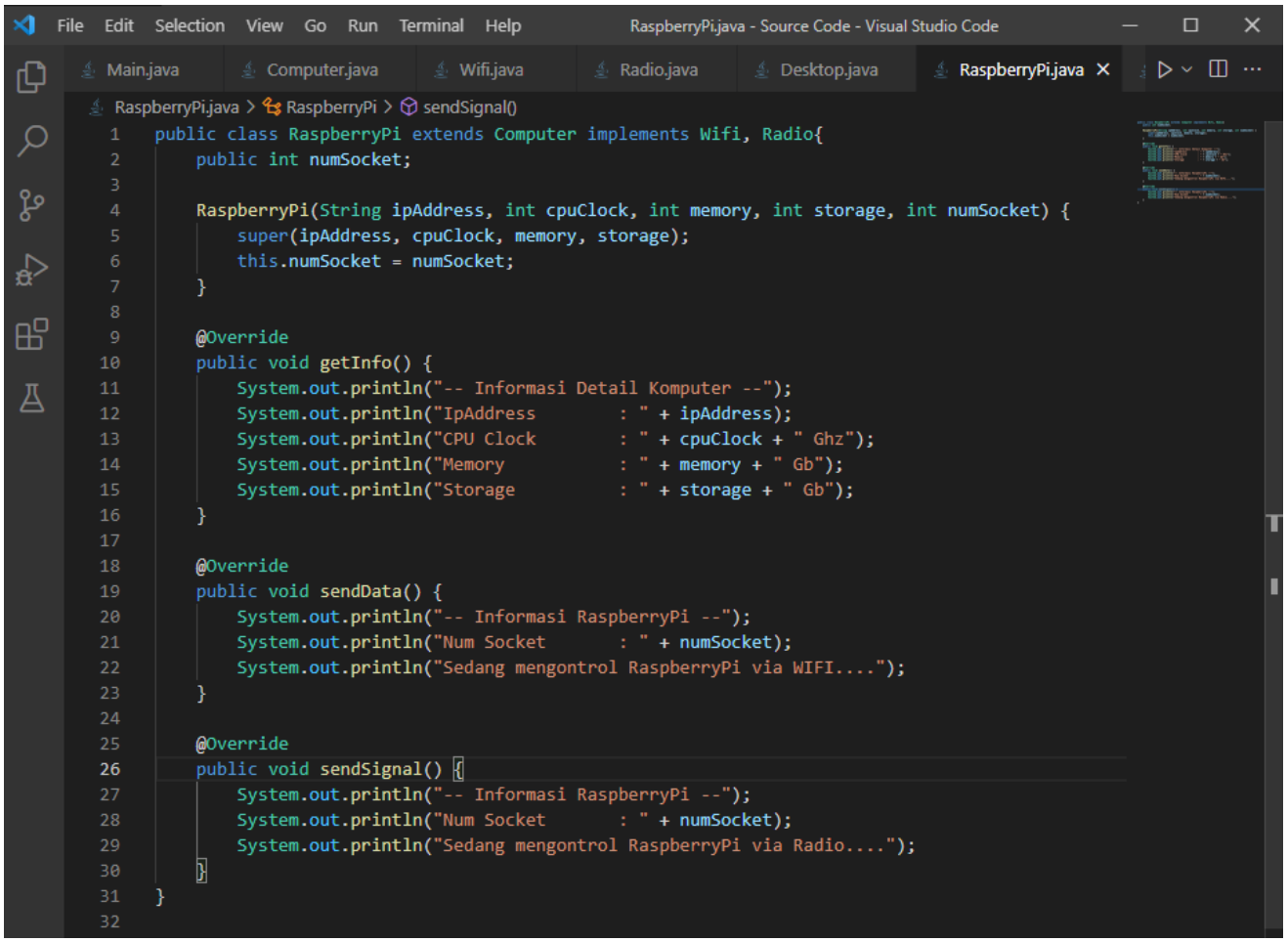
Class Radio :



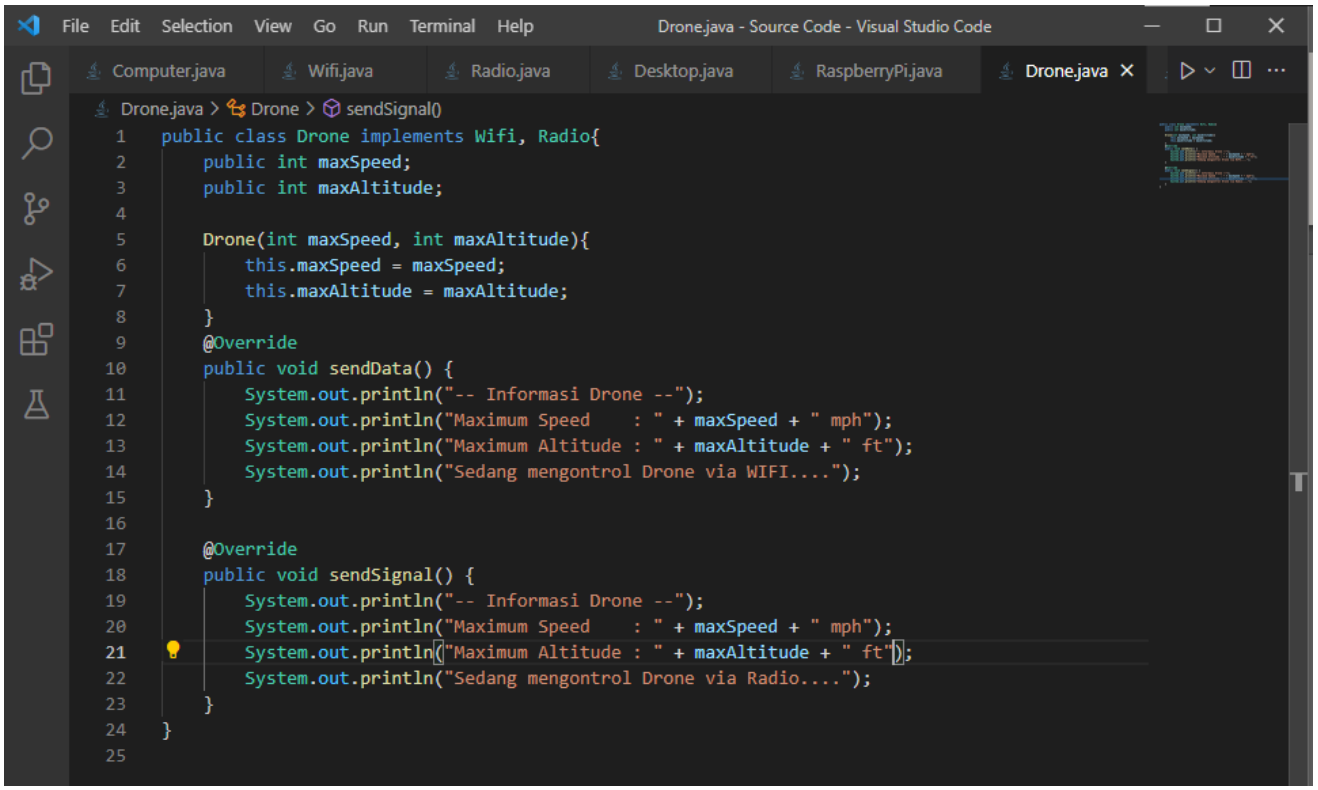
Class Desktop :



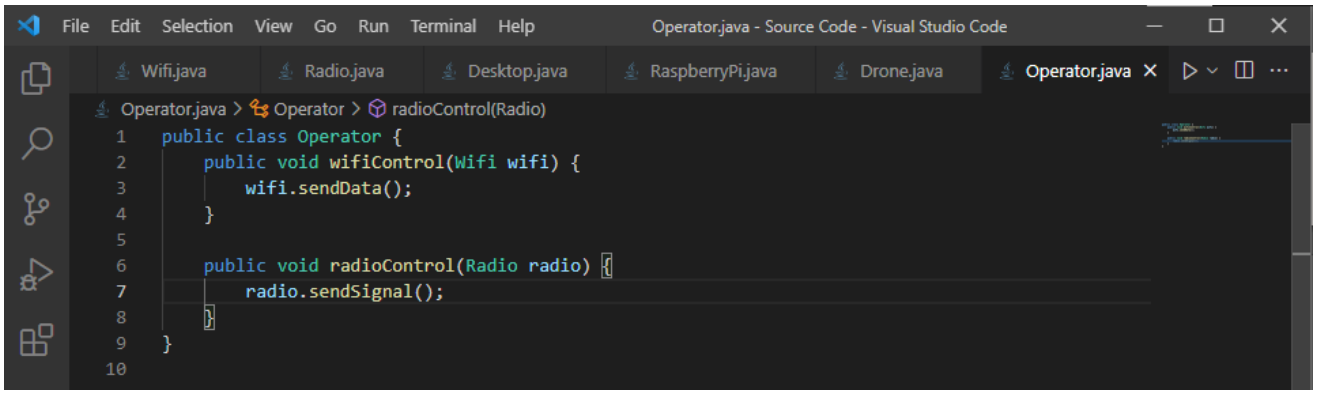
Class RaspberryPi :



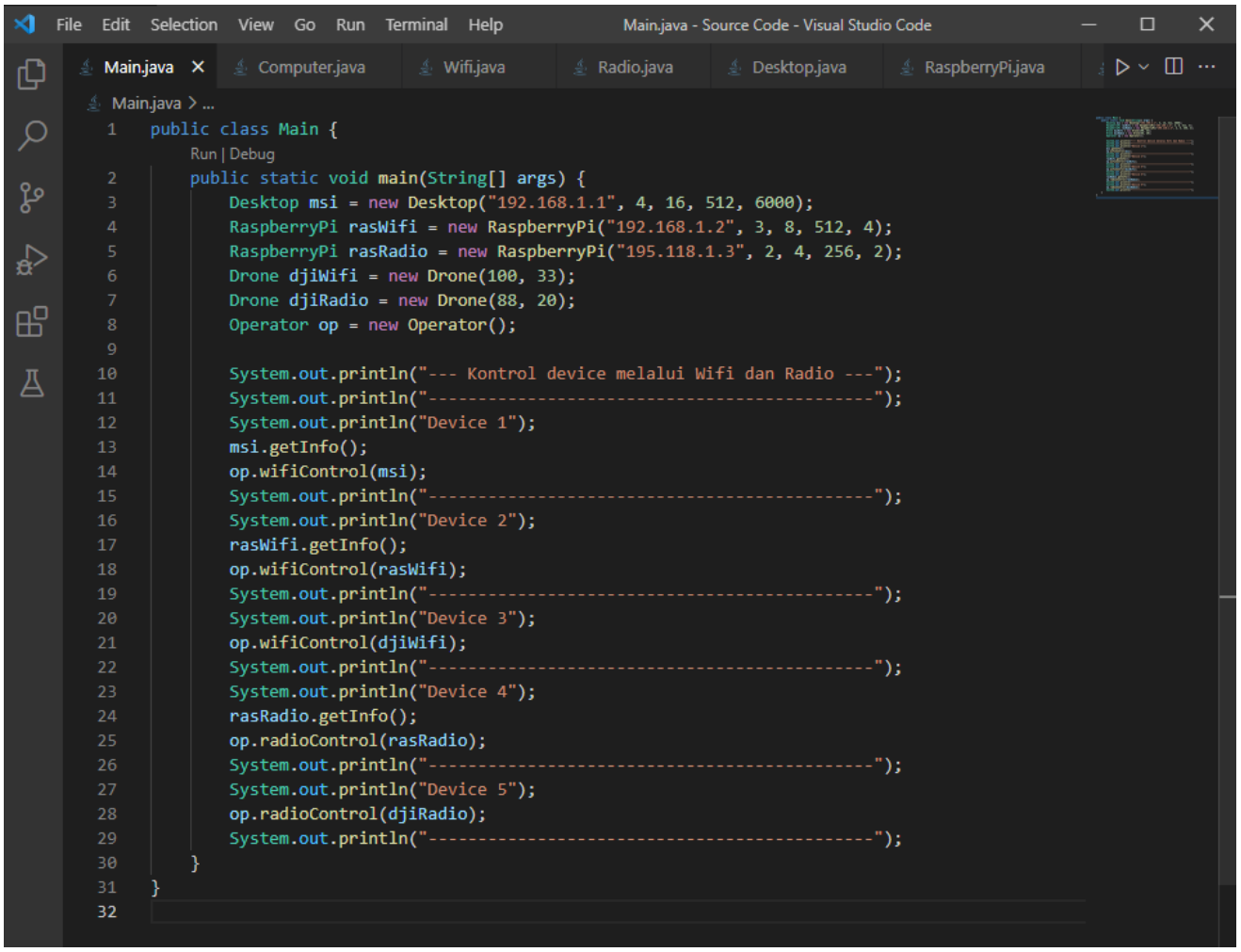
Class Drone :



Class Operator :



Class Main :


File Edit Selection View Go Run Terminal Help
Main.java - Source Code - Visual Studio Code
Main.java
Computer.java
Wifi.java
Radio.java
Desktop.java
RaspberryPi.java
Main.java > ...
Run | Debug
public class Main {
public static void main(String[] args) {
Desktop msi = new Desktop("192.168.1.1", 4, 16, 512, 6000);
RaspberryPi rasWifi = new RaspberryPi("192.168.1.2", 3, 8, 512, 4);
RaspberryPi rasRadio = new RaspberryPi("195.118.1.3", 2, 4, 256, 2);
Drone djiWifi = new Drone(100, 33);
Drone djiRadio = new Drone(88, 20);
Operator op = new Operator();
System.out.println("--- Kontrol device melalui Wifi dan Radio ---");
System.out.println("---");
System.out.println("Device 1");
msi.getInfo();
op.wifiControl(msi);
System.out.println("---");
System.out.println("Device 2");
rasWifi.getInfo();
op.wifiControl(rasWifi);
System.out.println("---");
System.out.println("Device 3");
op.wifiControl(djiWifi);
System.out.println("---");
System.out.println("Device 4");
rasRadio.getInfo();
op.radioControl(rasRadio);
System.out.println("---");
System.out.println("Device 5");
op.radioControl(djiRadio);
System.out.println("---");
}
}

Hasil Program :

```
paceStorage\8c29e2675bbae1bfdae320795e665a9d\redhat.java\jdt_ws\Source Code_e04068b7\bin' 'Main'
--- Kontrol device melalui Wifi dan Radio ---
-----------------------------------------
Device 1
-- Informasi Detail Komputer --
IpAddress        : 192.168.1.1
CPU Clock        : 4 Ghz
Memory           : 16 Gb
Storage          : 512 Gb
-- Informasi Desktop --
Battery Capacity : 6000 mAh
Sedang mengontrol Desktop via WIFI....
-----------------------------------------
Device 2
-- Informasi Detail Komputer --
IpAddress        : 192.168.1.2
CPU Clock        : 3 Ghz
Memory           : 8 Gb
Storage          : 512 Gb
-- Informasi RaspberryPi --
Num Socket       : 4
Sedang mengontrol RaspberryPi via WIFI....
-----------------------------------------
Device 3
-- Informasi Drone --
Maximum Speed    : 100 mph
Maximum Altitude : 33 ft
Sedang mengontrol Drone via WIFI....
-----------------------------------------
Device 4
-- Informasi Detail Komputer --
IpAddress        : 195.118.1.3
CPU Clock        : 2 Ghz
Memory           : 4 Gb
Storage          : 256 Gb
-- Informasi RaspberryPi --
Num Socket       : 2
Sedang mengontrol RaspberryPi via Radio....
-----------------------------------------
Device 5
-- Informasi Drone --
Maximum Speed    : 88 mph
Maximum Altitude : 20 ft
Sedang mengontrol Drone via Radio....
-----------------------------------------
PS D:\Semester 3\Praktikum PBO\Pertemuan 12 (Kuis)\Source Code>
```

```
paceStorage\8c29e2675bbae1bfdae320795e665a9d\redhat.java\jdt_ws\Source Code_e04068b7\bin' 'Main'
--- Kontrol device melalui Wifi dan Radio ---
-----------------------------------------
Device 1
-- Informasi Detail Komputer --
IpAddress        : 192.168.1.1
CPU Clock        : 4 Ghz
Memory           : 16 Gb
Storage          : 512 Gb
-- Informasi Desktop --
Battery Capacity : 6000 mAh
Sedang mengontrol Desktop via WIFI....
-----------------------------------------
Device 2
-- Informasi Detail Komputer --
IpAddress        : 192.168.1.2
CPU Clock        : 3 Ghz
Memory           : 8 Gb
Storage          : 512 Gb
-- Informasi RaspberryPi --
Num Socket       : 4
Sedang mengontrol RaspberryPi via WIFI....
-----------------------------------------
Device 3
-- Informasi Drone --
Maximum Speed    : 100 mph
Maximum Altitude : 33 ft
Sedang mengontrol Drone via WIFI....
-----------------------------------------
Device 4
-- Informasi Detail Komputer --
IpAddress        : 195.118.1.3
CPU Clock        : 2 Ghz
Memory           : 4 Gb
Storage          : 256 Gb
-- Informasi RaspberryPi --
Num Socket       : 2
Sedang mengontrol RaspberryPi via Radio....
-----------------------------------------
Device 5
-- Informasi Drone --
Maximum Speed    : 88 mph
Maximum Altitude : 20 ft
Sedang mengontrol Drone via Radio....
-----------------------------------------
PS D:\Semester 3\Praktikum PBO\Pertemuan 12 (Kuis)\Source Code>
```