

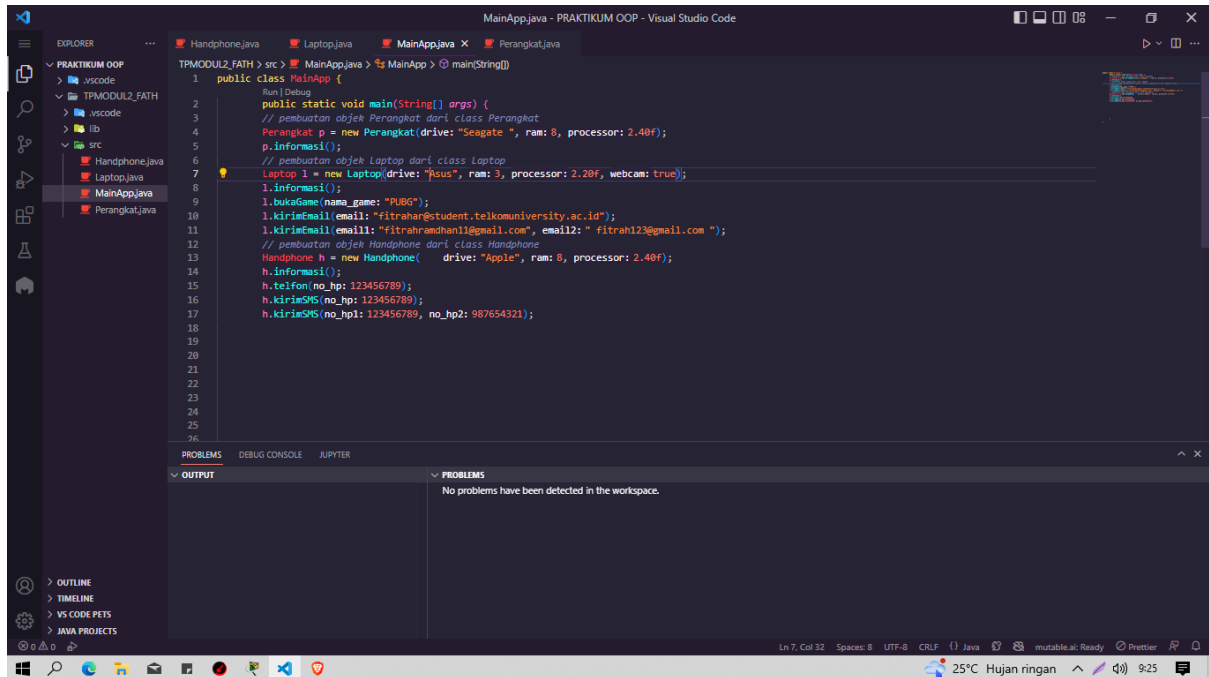
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Github : [https://github.com/Skybluve/OOP\\_FATH\\_FITRAH\\_1202213051.git](https://github.com/Skybluve/OOP_FATH_FITRAH_1202213051.git)

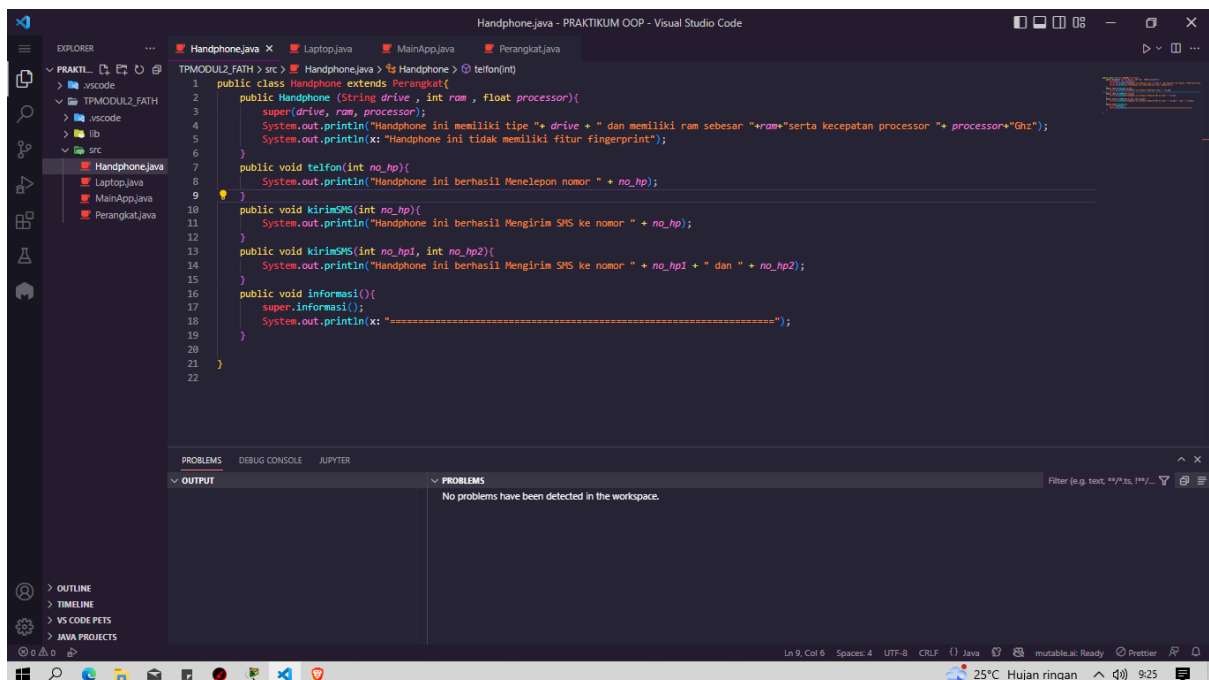
MainApp.java



The screenshot shows the Visual Studio Code editor with the file 'MainApp.java' open. The Explorer sidebar on the left shows a project structure with folders 'PRAKTIKUM OOP', 'TPMODUL2\_FATH', and 'src'. The 'src' folder contains files 'Handphone.java', 'Laptop.java', 'MainApp.java', and 'Perangkat.java'. The 'MainApp.java' file is selected and its code is displayed in the editor. The code defines a 'MainApp' class with a 'main' method that creates instances of 'Perangkat', 'Laptop', and 'Handphone' and calls their 'informasi()' methods. The 'PROBLEMS' panel at the bottom shows 'No problems have been detected in the workspace.'

```
1 public class MainApp {
2
3     public static void main(String[] args) {
4         // pembuatan objek Perangkat dari class Perangkat
5         Perangkat p = new Perangkat(drive: "Seagate ", ram: 8, processor: 2.40f);
6         p.informasi();
7         // pembuatan objek Laptop dari class Laptop
8         Laptop l = new Laptop(drive: "Jusur", ram: 3, processor: 2.20f, webcam: true);
9         l.informasi();
10        l.bukaGame(nama_game: "PUBG");
11        l.kirimEmail(email: "fitrihar@student.telkomuniversity.ac.id");
12        l.kirimEmail(email: "fitrihar@student.telkomuniversity.ac.id", email2: "fitrihar123@gmail.com");
13        // pembuatan objek Handphone dari class Handphone
14        Handphone h = new Handphone(drive: "Apple", ram: 8, processor: 2.40f);
15        h.informasi();
16        h.telfon(no_hp: 123456789);
17        h.kirimSMS(no_hp1: 123456789);
18        h.kirimSMS(no_hp1: 123456789, no_hp2: 987654321);
19
20    }
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```

Handphone.java



The screenshot shows the Visual Studio Code editor with the file 'Handphone.java' open. The Explorer sidebar on the left shows the same project structure as the previous screenshot. The 'Handphone.java' file is selected and its code is displayed in the editor. The code defines a 'Handphone' class that extends 'Perangkat'. It includes methods for 'telfon()', 'kirimSMS()', and 'informasi()'. The 'PROBLEMS' panel at the bottom shows 'No problems have been detected in the workspace.'

```
1 public class Handphone extends Perangkat {
2     public Handphone(String drive, int ram, float processor) {
3         super(drive, ram, processor);
4         System.out.println("Handphone ini memiliki tipe "+ drive + " dan memiliki ram sebesar "+ram+"serta kecepatan processor "+ processor+"Ghz");
5         System.out.println(x: "Handphone ini tidak memiliki fitur fingerprint");
6     }
7     public void telfon(int no_hp) {
8         System.out.println("Handphone ini berhasil Menelepon nomor " + no_hp);
9     }
10    public void kirimSMS(int no_hp) {
11        System.out.println("Handphone ini berhasil Mengirim SMS ke nomor " + no_hp);
12    }
13    public void kirimSMS(int no_hp1, int no_hp2) {
14        System.out.println("Handphone ini berhasil Mengirim SMS ke nomor " + no_hp1 + " dan " + no_hp2);
15    }
16    public void informasi() {
17        super.informasi();
18        System.out.println(x: "=====");
19    }
20
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```

## Laptop.java

```
1 public class Laptop {
2     private String drive;
3     private int ram;
4     private float processor;
5     private boolean webcam;
6
7     public Laptop(String drive, int ram, float processor, boolean webcam) {
8         super(drive, ram, processor);
9         this.webcam = webcam;
10    }
11
12    public void informasi() {
13        super.informasi();
14        System.out.println("Perangkat tidak diketahui ini memiliki tipe " + drive + " dan memiliki ram sebesar " + ram + " GB" + " serta kecepatan processor " + processor + " GHz");
15        System.out.println("Laptop ini memiliki drive tipe " + drive);
16        System.out.println("Laptop ini memiliki RAM sebesar " + ram + " GB");
17        System.out.println("Laptop ini memiliki Processor sebesar " + processor + " GHz");
18        System.out.println("Selain itu Laptop ini juga memiliki webcam " + webcam);
19        System.out.println("=====");
20    }
21
22    public void bukaGame(String nama_game) {
23        System.out.println("Laptop Berhasil Membuka game " + nama_game);
24    }
25
26    public void kirimEmail(String email) {
27        System.out.println("Laptop Berhasil Mengirim email ke " + email);
28    }
29
30    public void kirimEmail(String email1, String email2) {
31        System.out.println("Laptop Berhasil Mengirim email ke " + email1 + " dan " + email2);
32        System.out.println("");
33    }
34 }
```

## Perangkat.java

```
1 public class Perangkat {
2     protected String drive;
3     protected int ram;
4     protected float processor;
5
6     public Perangkat(String drive, int ram, float processor) {
7         this.drive = drive;
8         this.ram = ram;
9         this.processor = processor;
10    }
11
12    public String getDrive() {
13        return drive;
14    }
15
16    public void setDrive(String drive) {
17        this.drive = drive;
18    }
19
20    public int getRam() {
21        return ram;
22    }
23
24    public void setRam(int ram) {
25        this.ram = ram;
26    }
27
28    public float getProcessor() {
29        return processor;
30    }
31
32    public void setProcessor(float processor) {
33        this.processor = processor;
34    }
35
36    public void informasi() {
37        System.out.println("");
38    }
39 }
```

## OUTPUT

```
Windows PowerShell
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Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\Users\ASUS\Desktop\PRAKTIKUM OOP> & 'C:\Program Files\Java\jdk1.8.0_341\bin\java.exe' '-cp' 'C:\Users\ASUS\AppData\Roaming\Code\User\workspaceStorage\df20fdcf5a4ee5ec0ac54c2f9dc1dd5f\redhat.java\jdt_ws\PRAKTIKUM OOP_be69f89f\bin' 'MainApp'

Perangkat tidak diketahui ini memiliki tipe Asus dan memiliki ram sebesar 3 GB serta kecepatan processor 2.2 Ghz
=====
Laptop ini memiliki drive tipe Asus
Laptop ini memiliki RAM sebesar 3 GB
Laptop ini memiliki Processor sebesar 2.2 Ghz
Selain itu Laptop ini juga memiliki Webcam
=====
Laptop Berhasil Membuka game PUBG
Laptop Berhasil Mengirim email ke fitrahan@student.telkomuniversity.ac.id
Laptop Berhasil Mengirim email ke fitrahramdhan1@gmail.com dan fitrah123@gmail.com

Handphone ini memiliki tipe Apple dan memiliki ram sebesar 8serta kecepatan processor 2.4Ghz
Handphone ini tidak memiliki fitur fingerprint
=====
Handphone ini berhasil Menelepon nomor 123456789
Handphone ini berhasil Mengirim SMS ke nomor 123456789
Handphone ini berhasil Mengirim SMS ke nomor 123456789 dan 987654321
PS C:\Users\ASUS\Desktop\PRAKTIKUM OOP>
```