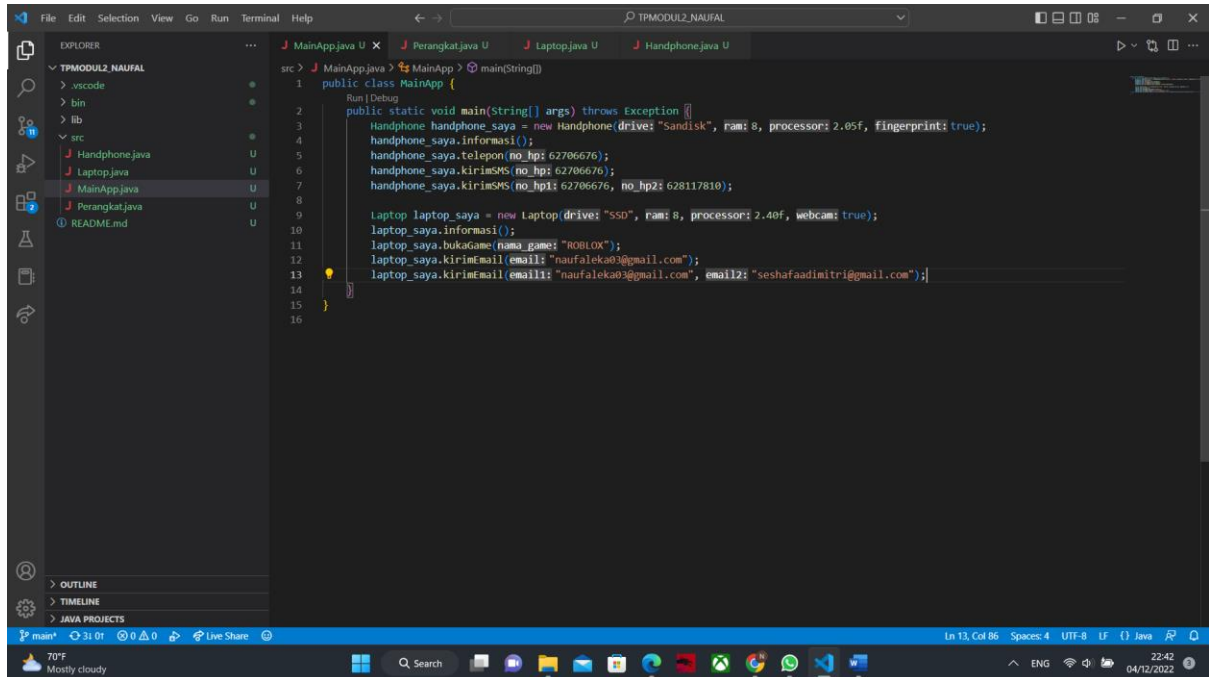


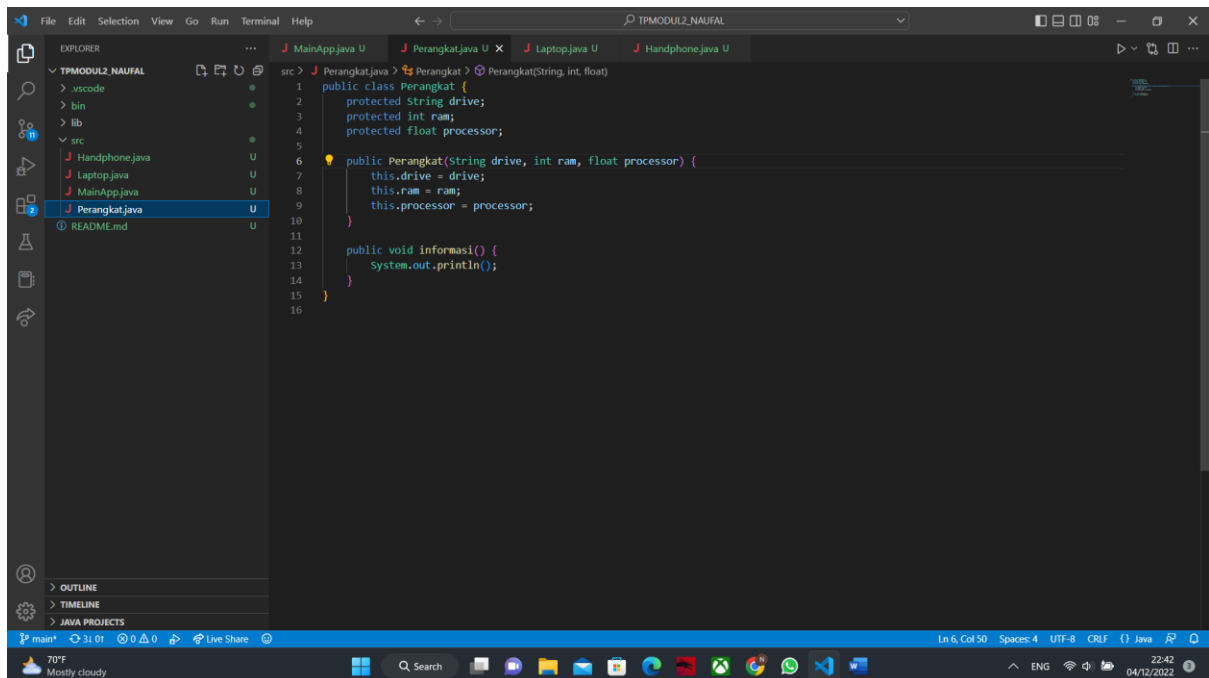
TUGAS PENDAHULUAN MODUL OOP 2022
NAUFAL EKA PRASETYA
1202210109

Berikut saya lampirkan hasil pengerjaan saya dari tugas pendahuluan 2 mengenai konsep polymorphism.



This screenshot shows the Visual Studio Code editor with the file `MainApp.java` open. The Explorer sidebar on the left shows the project structure for `TPMODUL2_NAUFAL`, including `src`, `bin`, `lib`, and `src` folders. The `src` folder contains `Handphone.java`, `Laptop.java`, `MainApp.java`, and `Perangkat.java`. The `MainApp.java` file is selected, and its content is displayed in the editor. The code defines a `MainApp` class with a `main` method that creates instances of `Handphone` and `Laptop` objects and calls their `informasi` and `kirimsms` methods. The status bar at the bottom indicates the file is at line 13, column 86, with 4 spaces, UTF-8 encoding, and LF line endings.

```
1 public class MainApp {
2     public static void main(String[] args) throws Exception {
3         Handphone handphone_saya = new Handphone(drive: "Sandisk", ram: 8, processor: 2.05f, fingerprint: true);
4         handphone_saya.informasi();
5         handphone_saya.telepon(no_hp: 62706676);
6         handphone_saya.kirimsms(no_hp: 62706676);
7         handphone_saya.kirimsms(no_hp1: 62706676, no_hp2: 628117810);
8
9         Laptop laptop_saya = new Laptop(drive: "SSD", ram: 8, processor: 2.40f, webcam: true);
10        laptop_saya.informasi();
11        laptop_saya.bukagame(nama_game: "ROBLOX");
12        laptop_saya.kirimEmail(email: "naufaleka03@gmail.com");
13        laptop_saya.kirimEmail(email1: "naufaleka03@gmail.com", email2: "seshafaadimitri@gmail.com");
14    }
15 }
16
```



This screenshot shows the Visual Studio Code editor with the file `Perangkat.java` open. The Explorer sidebar on the left shows the project structure for `TPMODUL2_NAUFAL`, including `src`, `bin`, `lib`, and `src` folders. The `src` folder contains `Handphone.java`, `Laptop.java`, `MainApp.java`, and `Perangkat.java`. The `Perangkat.java` file is selected, and its content is displayed in the editor. The code defines a `Perangkat` class with a `Perangkat` constructor that takes `String`, `int`, and `float` parameters. It also has an `informasi` method that prints the object's details. The status bar at the bottom indicates the file is at line 6, column 50, with 4 spaces, UTF-8 encoding, and CRLF line endings.

```
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 void informasi() {
13        System.out.println();
14    }
15 }
16
```

```
1 public class Handphone extends Perangkat {
2     protected boolean fingerprint;
3
4     public Handphone(String drive, int ram, float processor, boolean fingerprint){
5         super(drive, ram, processor);
6         this.fingerprint = fingerprint;
7     }
8
9     @Override
10    public void informasi() {
11        if (fingerprint){
12            System.out.println("Perangkat ini memiliki drive dengan tipe " + drive + " dengan RAM sebesar " + ram + " serta processor
13        } else{
14            System.out.println("Perangkat ini memiliki drive dengan tipe " + drive + " dengan RAM sebesar " + ram + " serta processor
15        }
16    }
17
18    public void telepon(int no_hp) {
19        System.out.println("Handphone berhasil menyambungkan telepon ke nomor " + no_hp);
20    }
21
22    public void kirimSMS(int no_hp) {
23        System.out.println("Handphone berhasil mengirimkan SMS ke nomor " + no_hp);
24    }
25
26    public void kirimSMS(int no_hp1, int no_hp2) {
27        System.out.println("Handphone berhasil mengirimkan SMS ke nomor " + no_hp1 + " dan nomor " + no_hp2);
28    }
29 }
30
```

```
1 public class Laptop extends Perangkat {
2     protected boolean webcam;
3
4     public Laptop(String drive, int ram, float processor, boolean webcam) {
5         super(drive, ram, processor);
6         this.webcam = webcam;
7     }
8
9     @Override
10    public void informasi() {
11        if (webcam){
12            System.out.println("Perangkat ini memiliki drive dengan tipe " + drive + " dengan RAM sebesar " + ram + " serta processor
13        } else{
14            System.out.println("Perangkat ini memiliki drive dengan tipe " + drive + " dengan RAM sebesar " + ram + " serta processor
15        }
16    }
17
18    public void bukaGame(String nama_game) {
19        System.out.println("Laptop berhasil membuka game " + nama_game);
20    }
21
22    public void kirimEmail(String email) {
23        System.out.println("Laptop berhasil mengirimkan email ke " + email);
24    }
25
26    public void kirimEmail(String email1, String email2) {
27        System.out.println("Laptop berhasil mengirimkan email ke " + email1 + " dan " + email2);
28    }
29 }
30
31
```

```
File Edit Selection View Go Run Terminal Help
TPMODUL2_NAUFAL
EXPLORER
TPMODUL2_NAUFAL
  .vscode
  bin
  src
    Handphone.java
    Laptop.java
    MainApp.java
    Perangkat.java
    README.md
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER
Windows PowerShell
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Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Users\vaufa\Documents\Visual Code\Praktikum Pemrograman Berorientasi Objek\OOP-CACA-NAUFAL-1202210109\TPMODUL2_NAUFAL> & 'C:\Program Files\Java\jdk-19\bin\java.exe' '-enable-preview' '-Xjc+ShowCodeDetailsInExceptionMessages' '-cp' 'C:\Users\vaufa\Documents\Visual Code\Praktikum Pemrograman Berorientasi Objek\OOP-CACA-NAUFAL-1202210109\TPMODUL2_NAUFAL\bin' 'MainApp'
Perangkat ini memiliki drive dengan tipe Sandisk dengan RAM sebesar 8 serta processor dengan kecepatan 2.05 GHz. Selain itu, handphone ini memiliki fitur fingerprint.
Handphone berhasil menyambungkan telepon ke nomor 62706676
Handphone berhasil mengirimkan SMS ke nomor 62706676
Handphone berhasil mengirimkan SMS ke nomor 62706676 dan nomor 628117810

Perangkat ini memiliki drive dengan tipe SSD dengan RAM sebesar 8 serta processor dengan kecepatan 2.4 GHz. Selain itu, handphone ini memiliki fitur webcam.
Laptop berhasil membuka game ROBLOX
Laptop berhasil mengirimkan email ke naufaleka03@gmail.com
Laptop berhasil mengirimkan email ke naufaleka03@gmail.com dan seshafaadinitrig@gmail.com
PS C:\Users\vaufa\Documents\Visual Code\Praktikum Pemrograman Berorientasi Objek\OOP-CACA-NAUFAL-1202210109\TPMODUL2_NAUFAL>

main 31.01 0 0 0 Live Share
70°F Mostly cloudy
ENG 22:44 04/12/2022
```