FADHIL PRAWIRA

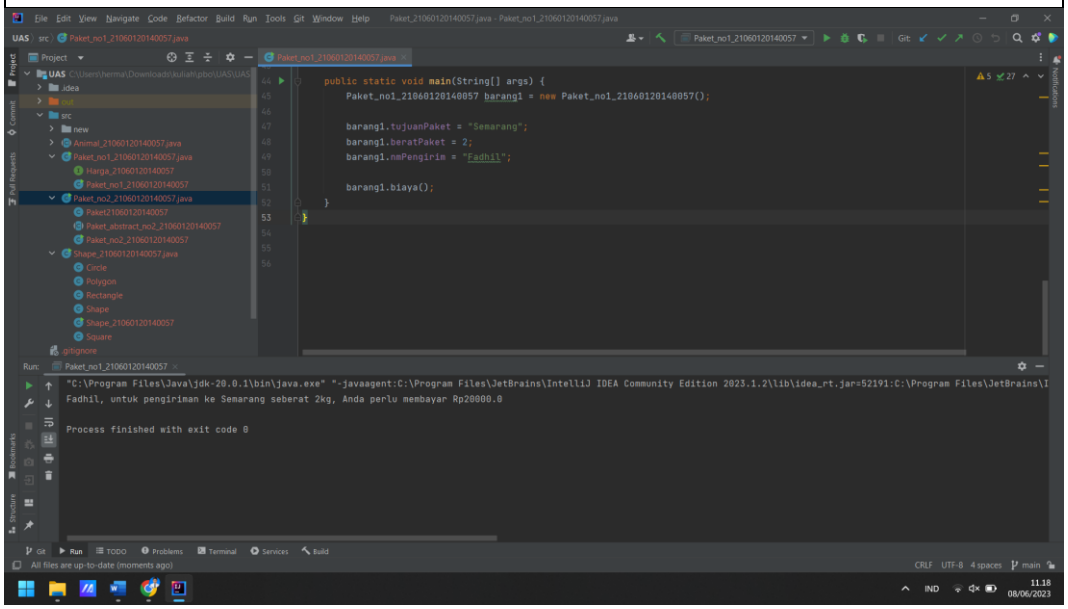
21060120140057

UAS PBO

No1

```
interface Harga_21060120140057 {
    double biayaperKg = 0;
}
public class Paket_no1_21060120140057 implements
Harga_21060120140057{
    public String nmPengirim;
    public String tujuanPaket;
    public int beratPaket;
    public double biayaperKg;
    public double bayar;
    public String getNamaPengirim() {
        return nmPengirim;
    }

    public String setNamaPengirim(String temp){
        nmPengirim=temp;
        return nmPengirim;
    }

    public String setTujuanPaket() {
        return tujuanPaket;
    }

    public int beratPaket() {
        return beratPaket;
    }

    public void biaya() {
        if(tujuanPaket.equalsIgnoreCase("Semarang")){
            biayaperKg=10000;
        }
        else if(tujuanPaket.equalsIgnoreCase("Jawa
Tengah Luar Semarang")){
            biayaperKg=20000;
        }
        else if (tujuanPaket.equalsIgnoreCase("Luar
Jateng P. Jawa")){
            biayaperKg=30000;
        }
        else { //Luar jawa
            biayaperKg=50000;
```

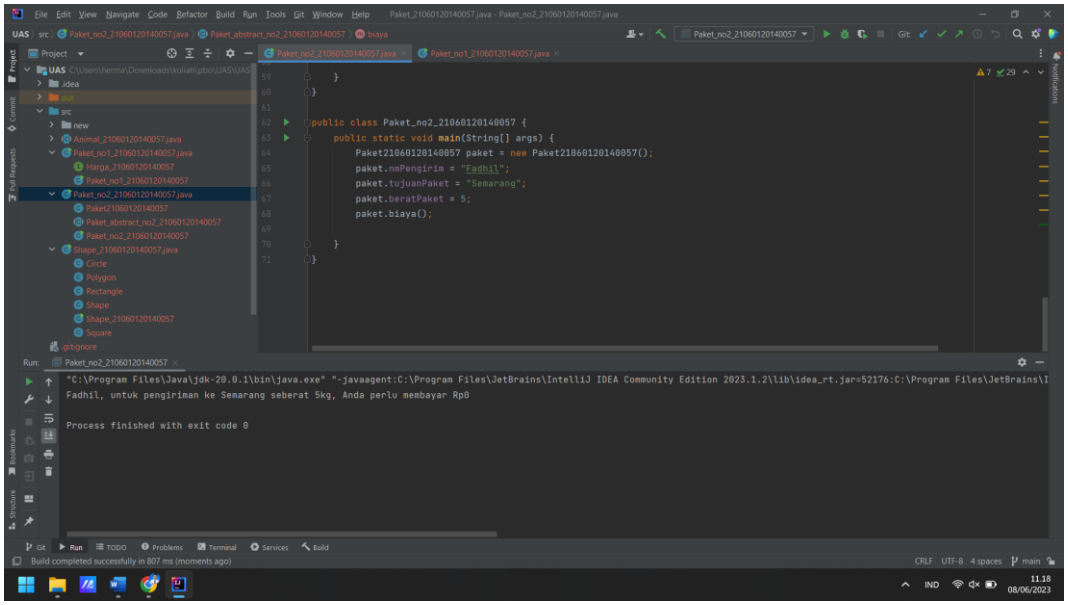
```
        }
        bayar = beratPaket*biayaperKg;
        System.out.println(nmPengirim+", untuk
pengiriman ke " + tujuanPaket + " seberat " +
beratPaket + "kg, Anda perlu membayar Rp" + bayar);
    }

    public static void main(String[] args) {
        Paket_no1_21060120140057 barang1 = new
Paket_no1_21060120140057();

        barang1.tujuanPaket = "Semarang";
        barang1.beratPaket = 2;
        barang1.nmPengirim = "Fadhil";

        barang1.biaya();
    }
}
```



No2

```
abstract class Paket_abstract_no2_21060120140057
implements Harga_21060120140057 {
    protected String nmPengirim;
    protected String tujuanPaket;
    protected int beratPaket;
    protected int hargaPerKg;
    protected double biaya;

    public String getNmPengirim() {
        return nmPengirim;
    }

    public void setNmPengirim(String temp) {
        nmPengirim = temp;
    }

    public String getTujuanPaket() {
        return tujuanPaket;
    }

    public void setTujuanPaket(String temp) {
        tujuanPaket = temp;
    }

    public int getBeratPaket() {
        return beratPaket;
    }

    public void setBeratPaket(int temp) {
        beratPaket = temp;
    }

    public abstract double biayaPerKg();

    public void biaya() {
        biaya = beratPaket * hargaPerKg;
        System.out.println(nmPengirim+", untuk
pengiriman ke " + tujuanPaket + " seberat " +
beratPaket + "kg, Anda perlu membayar Rp" +
hargaPerKg);
    }
}

class Paket21060120140057 extends
Paket_abstract_no2_21060120140057 {
    public double biayaPerKg() {
        if (tujuanPaket.equalsIgnoreCase("Semarang"))
```

```
{
            hargaPerKg = 10000;
            return hargaPerKg;
        } else if (tujuanPaket.equalsIgnoreCase("Jawa
Tengah Luar Semarang")) {
            hargaPerKg = 20000;
            return hargaPerKg;
        } else if (tujuanPaket.equalsIgnoreCase("Luar
Jateng P.Jawa")) {
            hargaPerKg = 20000;
            return hargaPerKg;
        } else if (tujuanPaket.equalsIgnoreCase("Luar
Jawa")) {
            hargaPerKg = 50000;
            return hargaPerKg;
        } else {
            hargaPerKg = 50000;  // Penambahan tanda
= agar sesuai dengan sintaksis
            return hargaPerKg;
        }

    }
}

public class Paket_no2_21060120140057 {
    public static void main(String[] args) {
        Paket21060120140057 paket = new
Paket21060120140057();
        paket.nmPengirim = "Fadhil";
        paket.tujuanPaket = "Semarang";
        paket.beratPaket = 5;
        paket.biaya();

    }
}
```


}
}
public class Paket_no2_21060120140057 {
public static void main(String[] args) {
Paket21060120140057 paket = new Paket21060120140057();
paket.nmPengirim = "Fadhil";
paket.tujuanPaket = "Semarang";
paket.beratPaket = 5;
paket.biaya();
}
}
"C:\Program Files\Java\jdk-20.0.1\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2023.1.2\lib\idea_rt.jar=52176:C:\Program Files\JetBrains\I
Fadhil, untuk pengiriman ke Semarang seberat 5kg, Anda perlu membayar Rp0
Process finished with exit code 0
Build completed successfully in 807 ms (moments ago)
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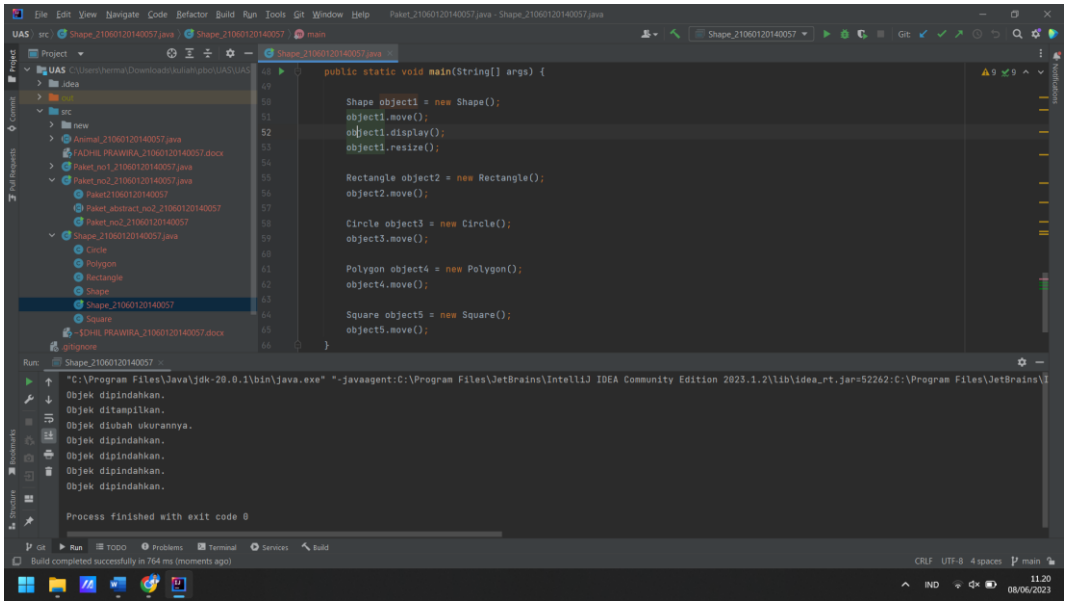
No3

```
import java.util.Scanner;

class Shape {
    private int origin;

    public void move() {
        try (Scanner myObj = new Scanner(System.in))
{
            System.out.println("Objek dipindahkan.");
        }
    }

    public void display() {
        try (Scanner myObj = new Scanner(System.in))
{
            System.out.println("Objek ditampilkan.");
        }
    }

    public void resize() {
        try (Scanner myObj = new Scanner(System.in))
{
            System.out.println("Objek diubah
ukurannya.");
        }
    }
}

class Rectangle extends Shape {
    int corner;
}

class Circle extends Shape {
    private float radius;
}

class Polygon extends Shape {
    int point;

    public void Display() {
        try (Scanner myObj = new Scanner(System.in))
{
            System.out.println("Objek ditampilkan.");
        }
    }
}
```

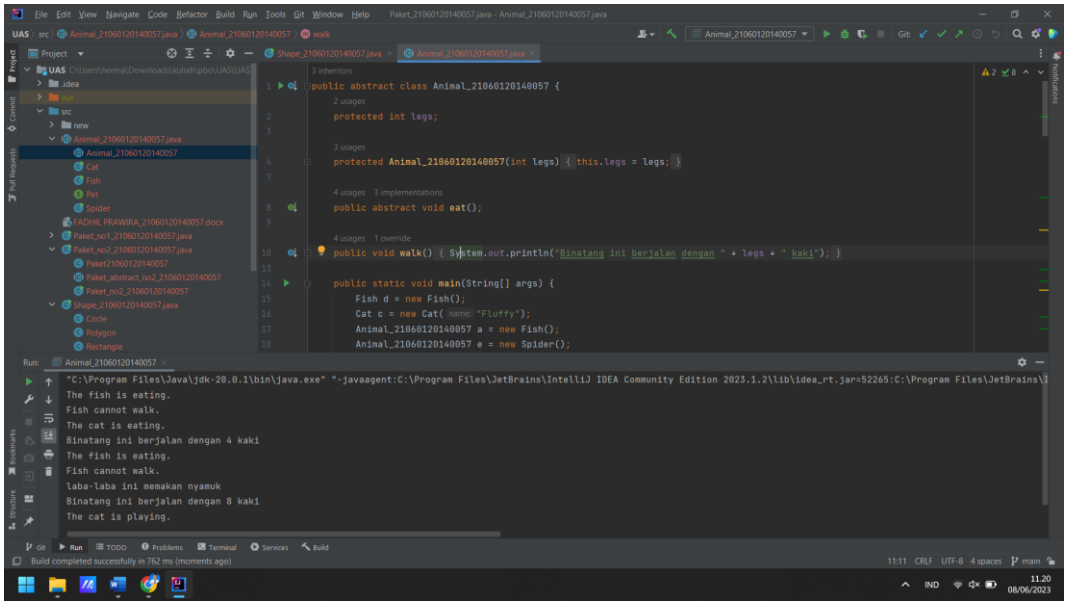
```java
class Square extends Rectangle {

}

class Shape_21060120140057 {
    public static void main(String[] args) {

        Shape object1 = new Shape();
        object1.move();
        object1.display();
        object1.resize();

        Rectangle object2 = new Rectangle();
        object2.move();

        Circle object3 = new Circle();
        object3.move();

        Polygon object4 = new Polygon();
        object4.move();

        Square object5 = new Square();
        object5.move();
    }
}
```



No4

```
public abstract class Animal_21060120140057 {
    protected int legs;

    protected Animal_21060120140057(int legs) {
        this.legs = legs;
    }

    public abstract void eat();

    public void walk() {
        System.out.println("Binatang ini berjalan
dengan " + legs + " kaki");
    }

    public static void main(String[] args) {
        Fish d = new Fish();
        Cat c = new Cat("Fluffy");
        Animal_21060120140057 a = new Fish();
        Animal_21060120140057 e = new Spider();
        Pet p = new Cat();

        d.eat();
        d.walk();
        c.eat();
        c.walk();
        a.eat();
        a.walk();
        e.eat();
        e.walk();
        p.play();
    }
}

class Spider extends Animal_21060120140057 {
    public Spider() {
        super(8);
    }

    @Override
    public void eat() {
        System.out.println("laba-laba ini memakan
nyamuk");
    }
}

interface Pet {
    void play();
```

```java
}

class Cat extends Animal_21060120140057 implements
Pet {
    private String name;

    public Cat(String name) {
        super(4);
        this.name = name;
    }

    public Cat() {
        this("");
    }

    @Override
    public void eat() {
        System.out.println("The cat is eating.");
    }

    @Override
    public void play() {
        System.out.println("The cat is playing.");
    }

    public String getName() {
        return name;
    }
}

class Fish extends Animal_21060120140057 {
    public Fish() {
        super(0);
    }

    @Override
    public void eat() {
        System.out.println("The fish is eating.");
    }

    @Override
    public void walk() {
        System.out.println("Fish cannot walk.");
    }
}
```


public abstract class Animal_21060120140057 {
protected int legs;
protected Animal_21060120140057(int legs) { this.legs = legs; }
public abstract void eat();
public void walk() { System.out.println("Binatang ini berjalan dengan " + legs + " kaki"); }
public static void main(String[] args) {
Fish d = new Fish();
Cat c = new Cat(name: "Fluffy");
Animal_21060120140057 a = new Fish();
Animal_21060120140057 e = new Spider();
"C:\Program Files\Java\jdk-20.0.1\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2023.1.2\lib\idea_rt.jar=52265:C:\Program Files\JetBrains\I
The fish is eating.
Fish cannot walk.
The cat is eating.
Binatang ini berjalan dengan 4 kaki
The fish is eating.
Fish cannot walk.
laba-laba ini memakan nyamuk
Binatang ini berjalan dengan 8 kaki
The cat is playing.
Build completed successfully in 762 ms (moments ago)