TUGAS PEMROGRAMAN BERORIENTASI OBJEK

INHERITANCE
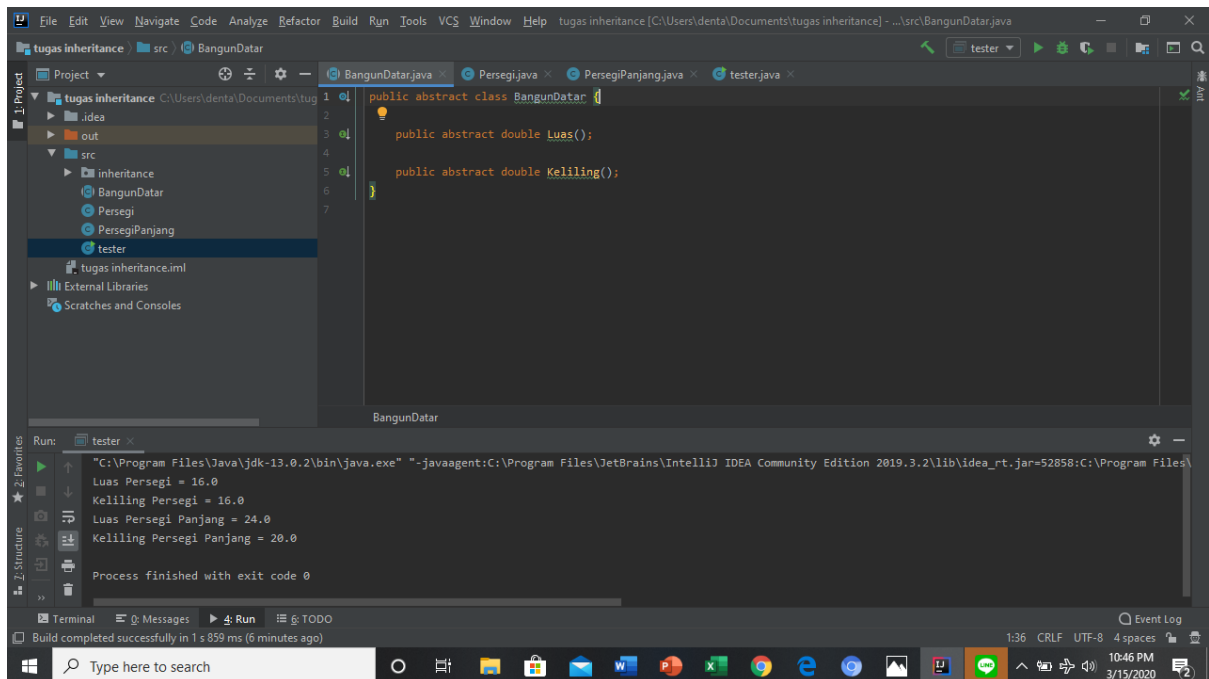
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TEKNOLOGI INFORMASI

FAKULTAS TEKNIK

UNIVERSITAS UDAYANA

2019/2020

1. BangunDatar Class (Super Class)
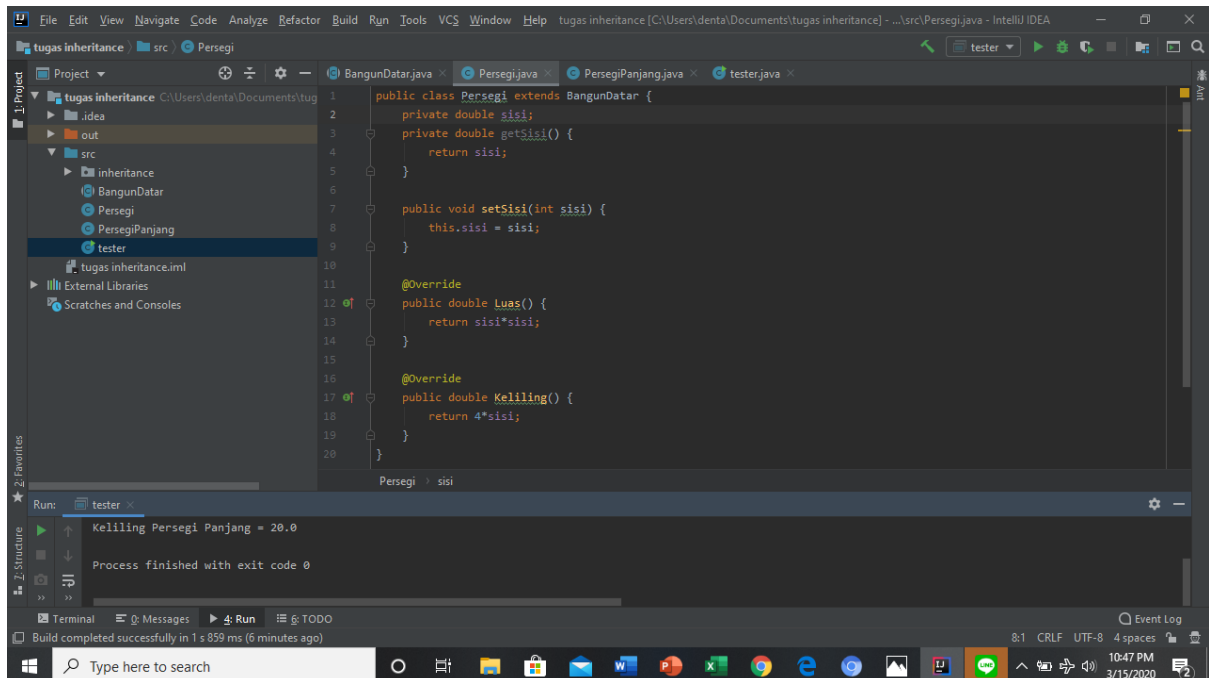


```java
public abstract class BangunDatar {

    public abstract double Luas();

    public abstract double Keliling();

}
```

Run output:
```
"C:\Program Files\Java\jdk-13.0.2\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2019.3.2\lib\idea_rt.jar=52858:C:\Program Files\
Luas Persegi = 16.0
Keliling Persegi = 16.0
Luas Persegi Panjang = 24.0
Keliling Persegi Panjang = 20.0

Process finished with exit code 0
```

2. Persegi Class (Sub Class)

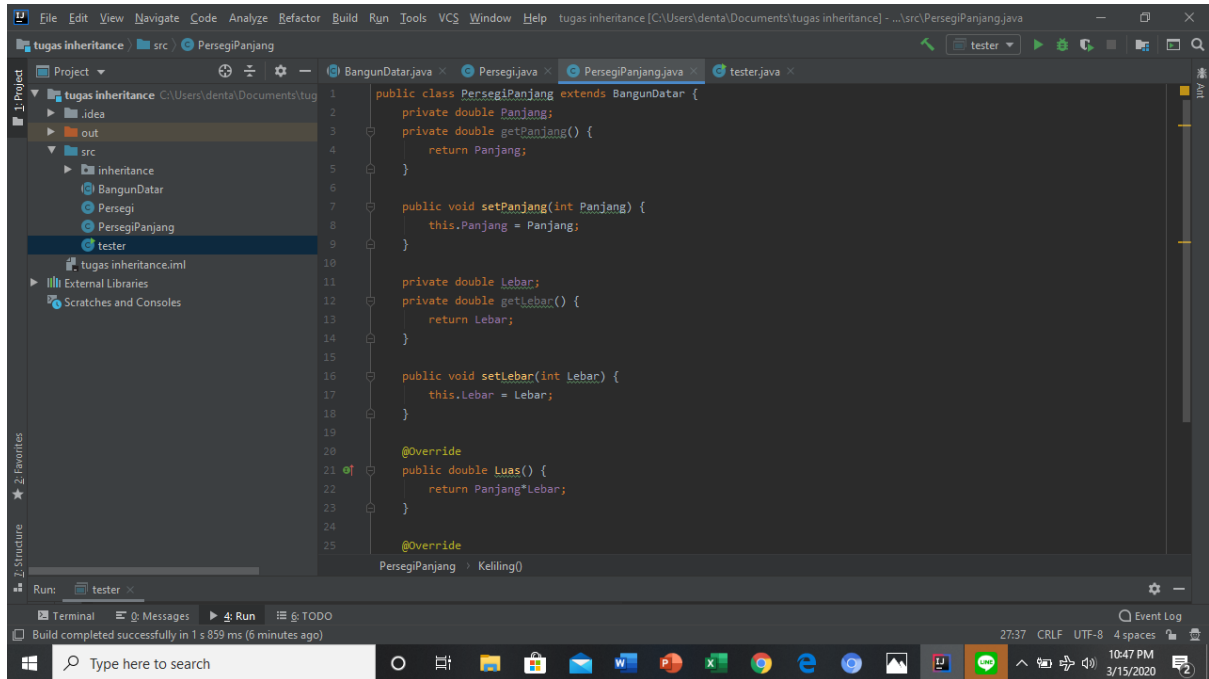

```java
public class Persegi extends BangunDatar {
    private double sisi;
    private double getSisi() {
        return sisi;
    }

    public void setSisi(int sisi) {
        this.sisi = sisi;
    }

    @Override
    public double Luas() {
        return sisi*sisi;
    }

    @Override
    public double Keliling() {
        return 4*sisi;
    }
}
```

Run output:
```
Keliling Persegi Panjang = 20.0

Process finished with exit code 0
```
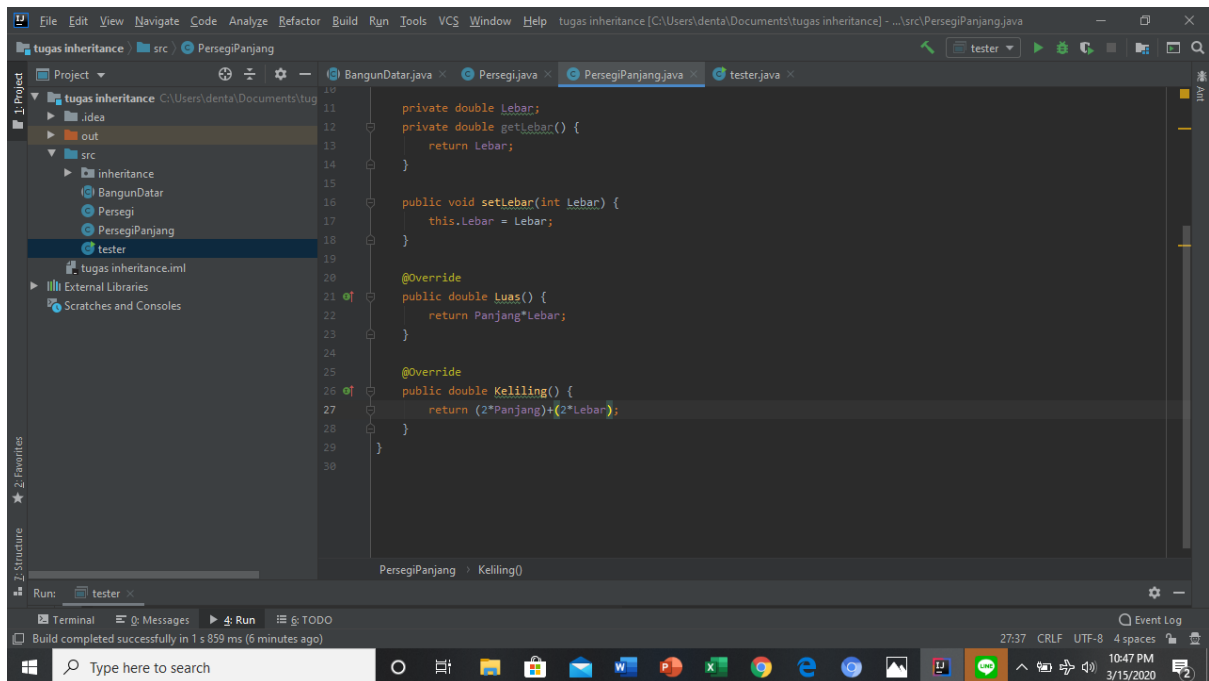
3. PersegiPanjang Class (Sub Class)
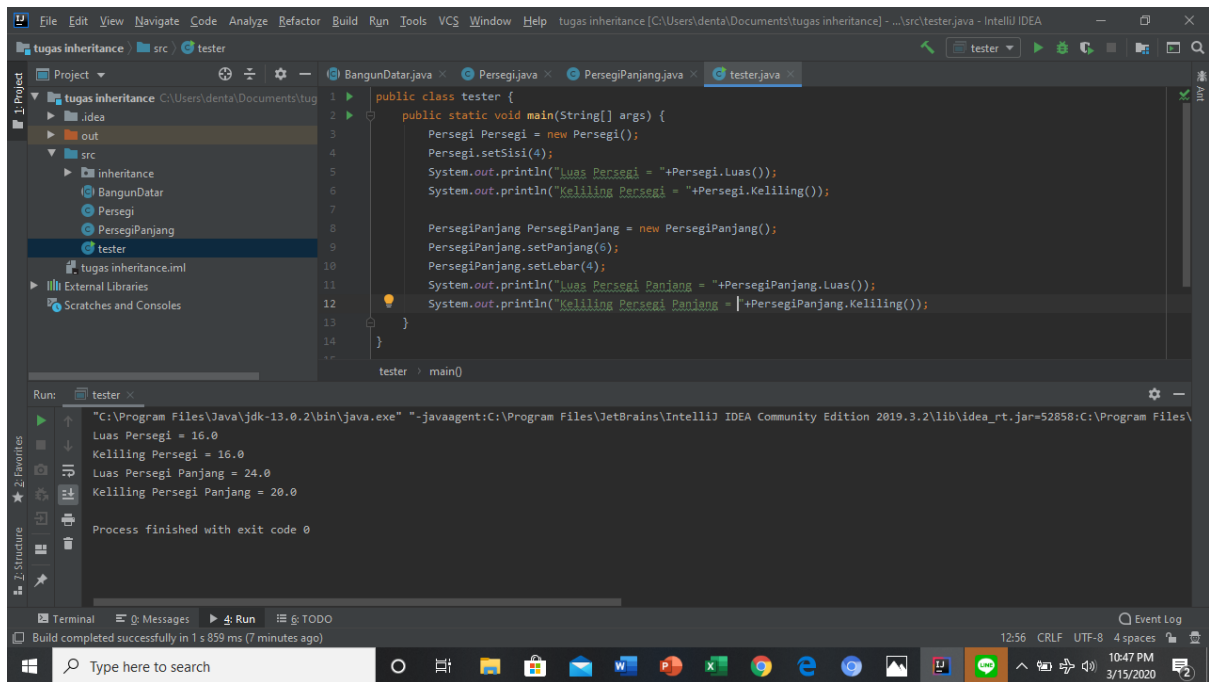


```java
public class PersegiPanjang extends BangunDatar {
    private double Panjang;
    private double getPanjang() {
        return Panjang;
    }

    public void setPanjang(int Panjang) {
        this.Panjang = Panjang;
    }

    private double Lebar;
    private double getLebar() {
        return Lebar;
    }

    public void setLebar(int Lebar) {
        this.Lebar = Lebar;
    }

    @Override
    public double Luas() {
        return Panjang*Lebar;
    }

    @Override
```


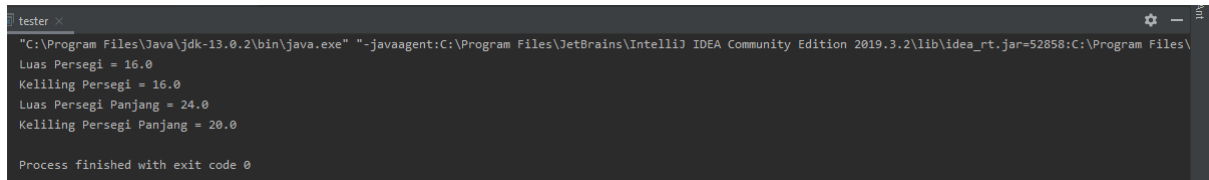
```java
    private double Lebar;
    private double getLebar() {
        return Lebar;
    }

    public void setLebar(int Lebar) {
        this.Lebar = Lebar;
    }

    @Override
    public double Luas() {
        return Panjang*Lebar;
    }

    @Override
    public double Keliling() {
        return (2*Panjang)+(2*Lebar);
    }
}
```

4. Tester Class

5. Hasil Run

6. Link GitHub : https://github.com/dentayoga123/Tugas-OOP