

Tiopan Indra Wahyudi– 201143501548 – R5L

PROJECT KELOMPOK 5 – R5L

```
interface Poligon {
```

```
// Deklarasi metode
```

```
double Luas();
```

```
double Keliling();
```

```
String displayInfo();
```

```
}
```

-----

```
class Lingkaran implements Poligon {
```

```
// Deklarasi atribut
```

```
private double radius;
```

```
private final double PI = 3.14;
```

```
// Definisi method
```

```
// Konstruktor
```

```
public Lingkaran(double r) {
```

```
radius = r;
```

```
}
```

```
public double getRadius() {
```

```
return radius;
```

```
}
```

```
// Definisi method dari kelas induk
```

```
public double Luas() {  
    return (PI*radius*radius);  
}
```

```
public double Keliling() {  
    return (2*PI*radius);  
}
```

```
public String displayInfo() {  
    return ("Lingkaran"  
+ "\no Jari-jari: " + (float)getRadius()  
+ "\no Luas : " + (float)Luas()  
+ "\no Keliling : " + (float)Keliling() );  
}  
}
```

```
-----  
package polimorfisme;
```

```
class SegiEmpat implements Poligon {
```

```
    // Deklarasi atribut Nurul Afrianti – 201143501514 – R5L
```

```
    private double panjang, lebar;
```

```
    // Definisi method
```

```
    // Konstruktor
```

```
    public SegiEmpat(double p, double l) {
```

```
        panjang = p;
```

```
lebar = l;
```

```
}
```

```
// Selector
```

```
public double getPanjang() {
```

```
return panjang;
```

```
}
```

```
public double getLebar() {
```

```
return lebar;
```

```
}
```

```
public double Luas() {
```

```
return (panjang*lebar);
```

```
}
```

```
public double Keliling() {
```

```
return (2*(panjang+lebar));
```

```
}
```

```
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```

```
public String displayInfo() {
```

```
return ( "Segi Empat"
```

```
+ "\nno Panjang : " + (float)getPanjang()
```

```
+ "\nno Lebar : " + (float)getLebar()
```

```
+ "\nno Luas : " + (float)Luas()
```

```
+ "\nno Keliling : " + (float)Keliling() );
```

```
}
```

```
}
```

```
Blue: Terminal Window - java pro
Options

Segi Empat
o Panjang : 17.0
o Lebar : 8.0
o Luas : 136.0
o Keliling : 50.0

Segi Tiga
o Alas : 21.0
o Tinggi : 4.0
o Luas : 42.0
o Keliling : 46.37756

Lingkaran
o Jari-jari: 10.0
o Luas : 314.0
o Keliling : 62.8

Lingkaran
o Jari-jari: 7.0
o Luas : 153.86
o Keliling : 43.96
```