

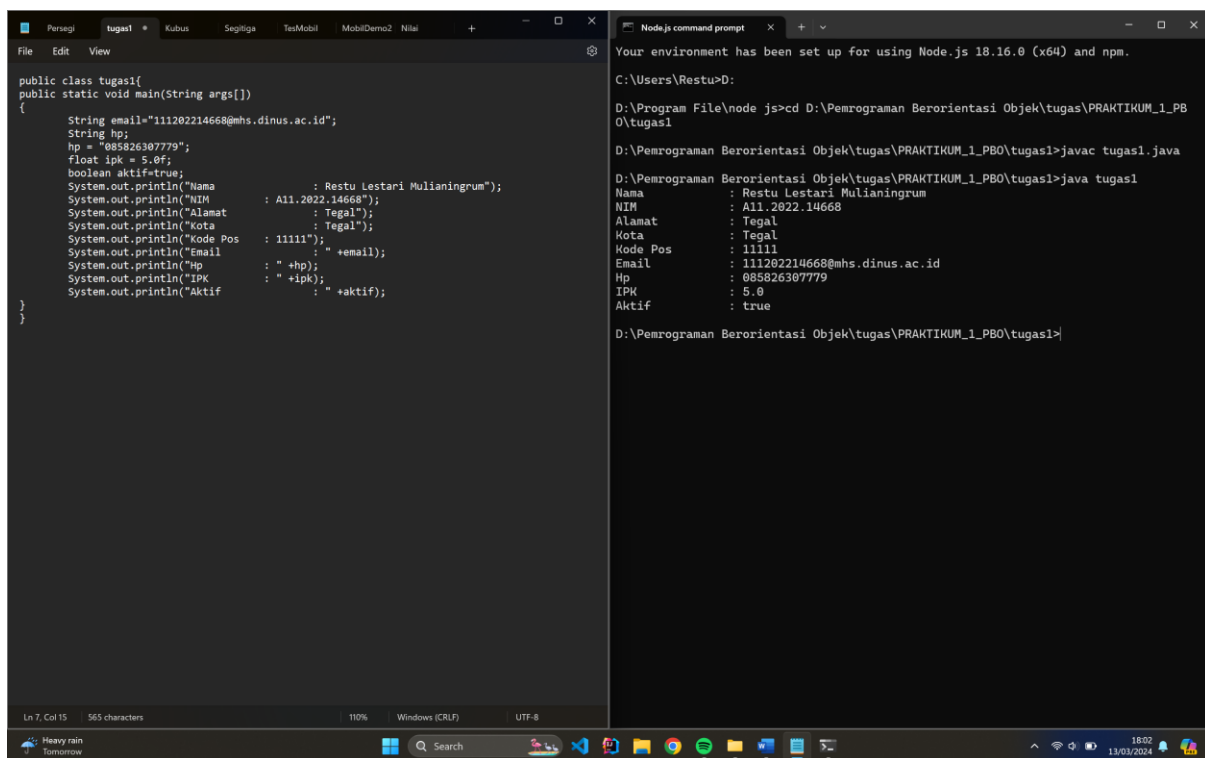
Nama : Restu Lestari Mulianingrum

NIM : A11.2022.14668

Kelompok : A11.4415

Tugas 1

Program sederhana untuk menampilkan data pribadi



The screenshot shows two windows side-by-side. The left window is a Java IDE with a file named 'tugas1.java'. The code defines a class 'tugas1' with a 'main' method that prints personal data. The right window is a 'Node.js command prompt' where the program is compiled and run. The output of the program is displayed in the command prompt.

```
public class tugas1{
    public static void main(String args[])
    {
        String email="111202214668@mhs.dinus.ac.id";
        String hp;
        hp = "085826307779";
        float ipk = 5.0f;
        boolean aktif=true;
        System.out.println("Nama          : Restu Lestari Mulianingrum");
        System.out.println("NIM           : A11.2022.14668");
        System.out.println("Alamat        : Tegal");
        System.out.println("Kota          : Tegal");
        System.out.println("Kode Pos      : 11111");
        System.out.println("Email         : " +email);
        System.out.println("Hp            : " +hp);
        System.out.println("IPK           : " +ipk);
        System.out.println("Aktif         : " +aktif);
    }
}
```

```
Your environment has been set up for using Node.js 18.16.0 (x64) and npm.

C:\Users\Restu>D:
D:\Program File\node js>cd D:\Pemrograman Berorientasi Objek\tugas\PRAKTIKUM_1_PB
O\tugas1

D:\Pemrograman Berorientasi Objek\tugas\PRAKTIKUM_1_PBO\tugas1>javac tugas1.java

D:\Pemrograman Berorientasi Objek\tugas\PRAKTIKUM_1_PBO\tugas1>java tugas1
Nama          : Restu Lestari Mulianingrum
NIM           : A11.2022.14668
Alamat        : Tegal
Kota          : Tegal
Kode Pos      : 11111
Email         : 111202214668@mhs.dinus.ac.id
Hp            : 085826307779
IPK           : 5.0
Aktif         : true

D:\Pemrograman Berorientasi Objek\tugas\PRAKTIKUM_1_PBO\tugas1>
```

Code Program:

```
public class tugas1 {

    public static void main(String args[])

    {

        String email="111202214668@mhs.dinus.ac.id";

        String hp;

        hp = "085826307779";

        float ipk = 5.0f;
```

```
        boolean aktif=true;

        System.out.println("Nama          : Restu Lestari Mulianingrum");

        System.out.println("NIM          : A11.2022.14668");

        System.out.println("Alamat       : Tegal");

        System.out.println("Kota         : Tegal");

        System.out.println("Kode Pos     : 11111");

        System.out.println("Email        : " +email);

        System.out.println("Hp           : " +hp);

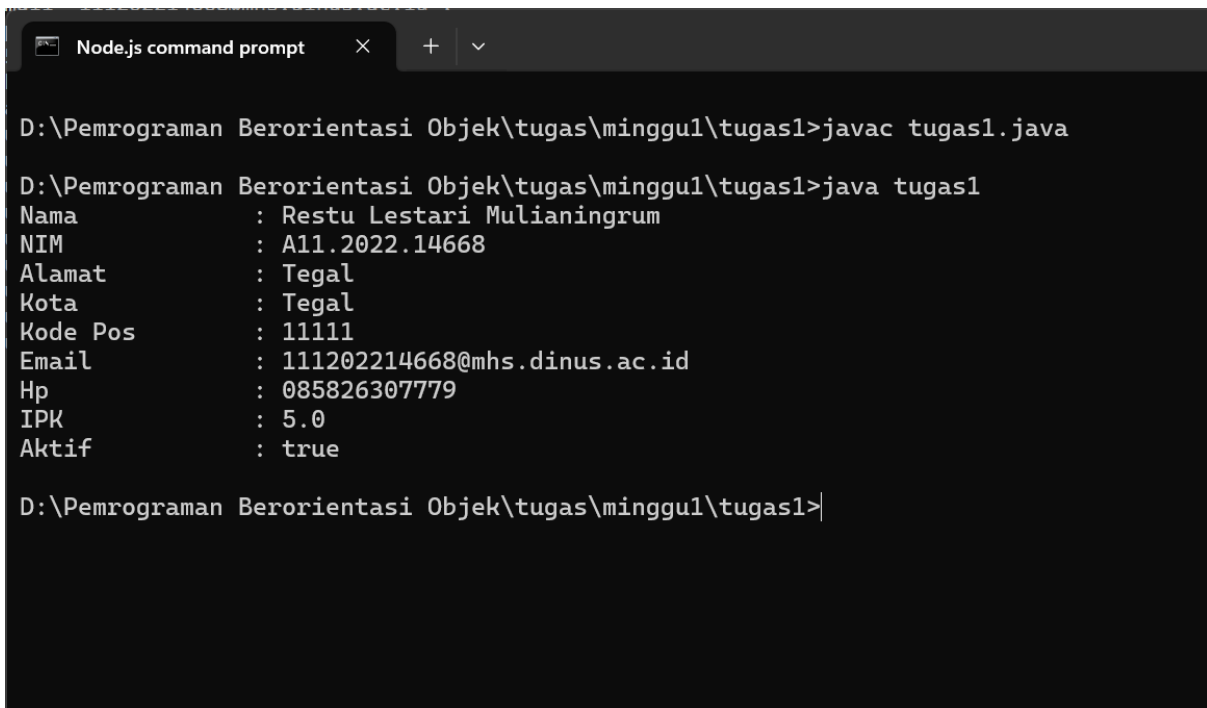
        System.out.println("IPK          : " +ipk);

        System.out.println("Aktif        : " +aktif);

    }

}
```

Output:



```
Node.js command prompt x + v

D:\Pemrograman Berorientasi Objek\tugas\minggu1\tugas1>javac tugas1.java

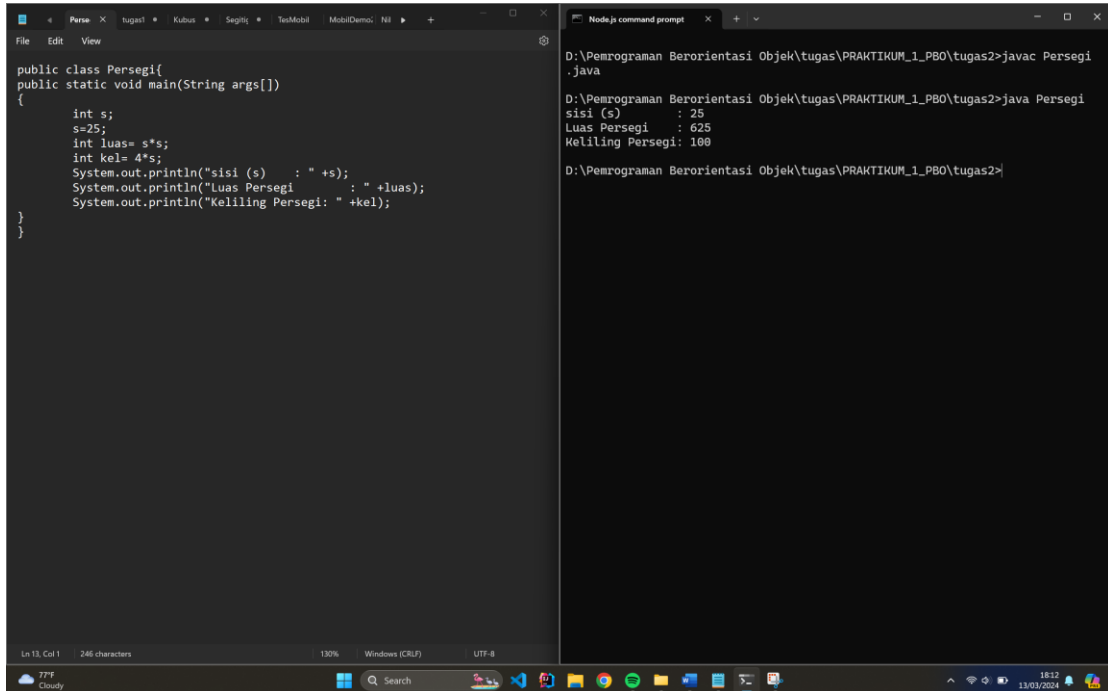
D:\Pemrograman Berorientasi Objek\tugas\minggu1\tugas1>java tugas1
Nama          : Restu Lestari Mulianingrum
NIM           : A11.2022.14668
Alamat        : Tegal
Kota          : Tegal
Kode Pos      : 11111
Email         : 111202214668@mhs.dinus.ac.id
Hp            : 085826307779
IPK           : 5.0
Aktif         : true

D:\Pemrograman Berorientasi Objek\tugas\minggu1\tugas1>
```

Tugas 2

Program menghitung luas dan keliling

a. Persegi



The screenshot shows a code editor on the left and a command prompt on the right. The code editor contains the following Java code:

```
public class Persegi{
    public static void main(String args[])
    {
        int s;
        s=25;
        int luas= s*s;
        int kel= 4*s;
        System.out.println("sisi (s)    : " +s);
        System.out.println("Luas Persegi    : " +luas);
        System.out.println("Keliling Persegi: " +kel);
    }
}
```

The command prompt shows the execution of the program:

```
D:\Pemrograman Berorientasi Objek\tugas\PRAKTIKUM_1_PBO\tugas2>javac Persegi.java
D:\Pemrograman Berorientasi Objek\tugas\PRAKTIKUM_1_PBO\tugas2>java Persegi
sisi (s)    : 25
Luas Persegi    : 625
Keliling Persegi: 100
D:\Pemrograman Berorientasi Objek\tugas\PRAKTIKUM_1_PBO\tugas2>
```

Code Program:

```
public class Persegi{
    public static void main(String args[])
    {
        int s;
        s = 25;
        int luas= s*s;
        int kel= 4*s;
        System.out.println("sisi (s)    : " +s);
        System.out.println("Luas Persegi    : " +luas);
        System.out.println("Keliling Persegi: " +kel);
    }
}
```

Output:

```
Node.js command prompt x + v

D:\Pemrograman Berorientasi Objek\tugas\minggu1\tugas2>javac Persegi.java

D:\Pemrograman Berorientasi Objek\tugas\minggu1\tugas2>java Persegi
sisi (s)      : 25
Luas Persegi  : 625
Keliling Persegi: 100

D:\Pemrograman Berorientasi Objek\tugas\minggu1\tugas2>
```

b. Segitiga

```
File Edit View
public class Segitiga{
    public static void main(String args[])
    {
        int a, b;
        a=5;
        b=12;
        double luas= 0.5*a*b;
        double c = Math.sqrt((a*a)+(b*b));
        double kel= a + b + c;
        System.out.println("sisi alas (a)      : " +a);
        System.out.println("sisi tinggi (b)     : " +b);
        System.out.println("sisi miring (c)    : " +c);
        System.out.println("Luas Segitiga      : " +luas);
        System.out.println("Keliling Segitiga : " +kel);
    }
}

Node.js command prompt x + v

D:\Pemrograman Berorientasi Objek\tugas\PRAKTIKUM_1_PBO\tugas2>javac Segitiga.java

D:\Pemrograman Berorientasi Objek\tugas\PRAKTIKUM_1_PBO\tugas2>java Segitiga
sisi alas (a)      : 5
sisi tinggi (b)     : 12
sisi miring (c)    : 13.0
Luas Segitiga      : 30.0
Keliling Segitiga  : 30.0

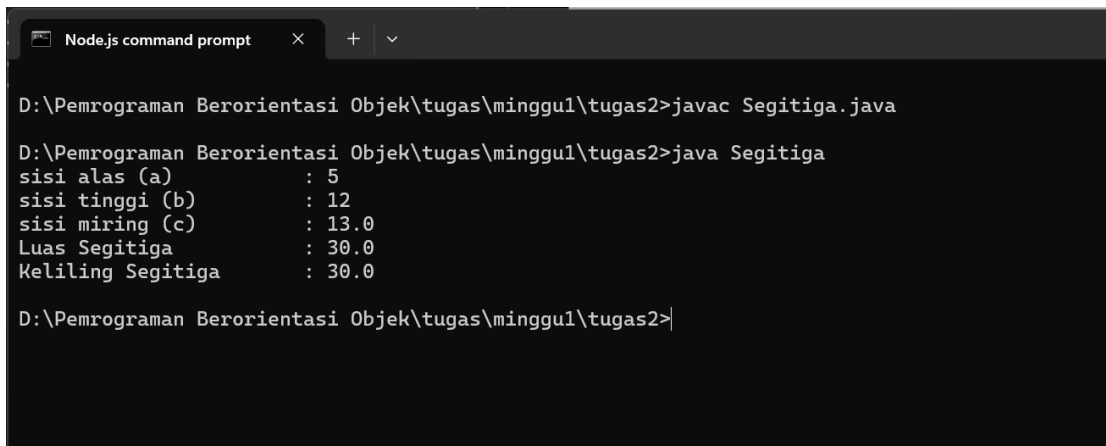
D:\Pemrograman Berorientasi Objek\tugas\PRAKTIKUM_1_PBO\tugas2>
```

Code Program:

```
public class Segitiga{
    public static void main(String args[])
    {
        int a, b;
        a=5;
        b=12;
```

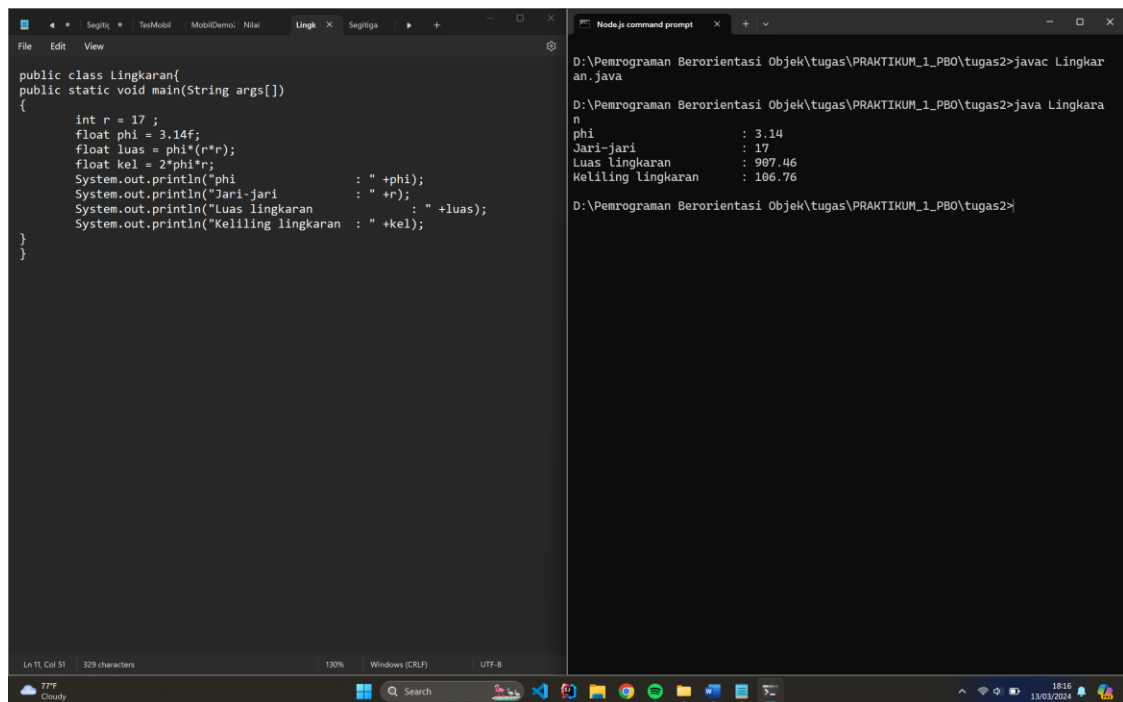
```
double luas= 0.5*a*b;  
double c = Math.sqrt((a*a)+(b*b));  
double kel= a + b + c;  
System.out.println("sisi alas (a)           : " +a);  
System.out.println("sisi tinggi (b)         : " +b);  
System.out.println("sisi miring (c)         : " +c);  
System.out.println("Luas Segitiga           : " +luas);  
System.out.println("Keliling Segitiga: " +kel);  
  
}  
  
}
```

Output:



```
Node.js command prompt  X  +  v  
  
D:\Pemrograman Berorientasi Objek\tugas\minggu1\tugas2>javac Segitiga.java  
D:\Pemrograman Berorientasi Objek\tugas\minggu1\tugas2>java Segitiga  
sisi alas (a)           : 5  
sisi tinggi (b)         : 12  
sisi miring (c)         : 13.0  
Luas Segitiga           : 30.0  
Keliling Segitiga       : 30.0  
  
D:\Pemrograman Berorientasi Objek\tugas\minggu1\tugas2>|
```

c. Lingkaran



The screenshot shows a code editor with a Java class named `Lingkaran`. The class has a `main` method that calculates the radius, circumference, and area of a circle. The output of the program is displayed in a command prompt window, showing the calculated values for `phi`, `Jari-jari` (radius), `Luas lingkaran` (area), and `Keliling lingkaran` (circumference).

```
public class Lingkaran{
    public static void main(String args[])
    {
        int r = 17 ;
        float phi = 3.14f;
        float luas = phi*(r*r);
        float kel = 2*phi*r;
        System.out.println("phi                : " +phi);
        System.out.println("Jari-jari            : " +r);
        System.out.println("Luas lingkaran        : " +luas);
        System.out.println("Keliling lingkaran   : " +kel);
    }
}
```

```
D:\Pemrograman Berorientasi Objek\tugas\PRAKTIKUM_1_PBO\tugas2>javac Lingkaran.java
D:\Pemrograman Berorientasi Objek\tugas\PRAKTIKUM_1_PBO\tugas2>java Lingkaran
phi                : 3.14
Jari-jari            : 17
Luas lingkaran        : 907.46
Keliling lingkaran   : 186.76
D:\Pemrograman Berorientasi Objek\tugas\PRAKTIKUM_1_PBO\tugas2>
```

Code Program:

```
public class Lingkaran{
    public static void main(String args[])
    {
        int r = 17 ;
        float phi = 3.14f;
        float luas = phi*(r*r);
        float kel = 2*phi*r;
        System.out.println("phi                : " +phi);
        System.out.println("Jari-jari            : " +r);
        System.out.println("Luas lingkaran        : " +luas);
        System.out.println("Keliling lingkaran   : " +kel);
    }
}
```

Output:

```
Node.js command prompt
D:\Pemrograman Berorientasi Objek\tugas\minggu1\tugas2>javac Lingkaran.java
D:\Pemrograman Berorientasi Objek\tugas\minggu1\tugas2>java Lingkaran
phi                : 3.14
Jari-jari          : 17
Luas lingkaran     : 907.46
Keliling lingkaran : 106.76
D:\Pemrograman Berorientasi Objek\tugas\minggu1\tugas2>
```

d. Kubus

```
File Edit View
public class Kubus{
    public static void main(String args[])
    {
        int s = 15 ;
        int vol = s*s*s;
        int luas = 6*s*s;
        int kel = 12*s;
        System.out.println("Sisi          : " +s + " cm");
        System.out.println("Volume Kubus      : " +vol + " cm^3");
        System.out.println("Luas Permukaan Kubus : " +luas + " cm^2");
        System.out.println("Keliling Kubus     : " +kel + " cm");
    }
}

Node.js command prompt
D:\Pemrograman Berorientasi Objek\tugas\PRAKTIKUM_1_PBO\tugas2>javac Kubus.java
D:\Pemrograman Berorientasi Objek\tugas\PRAKTIKUM_1_PBO\tugas2>java Kubus
Sisi          : 15 cm
Volume Kubus   : 3375 cm^3
Luas Permukaan Kubus : 1350 cm^2
Keliling Kubus : 180 cm
D:\Pemrograman Berorientasi Objek\tugas\PRAKTIKUM_1_PBO\tugas2>
```

Code Program:

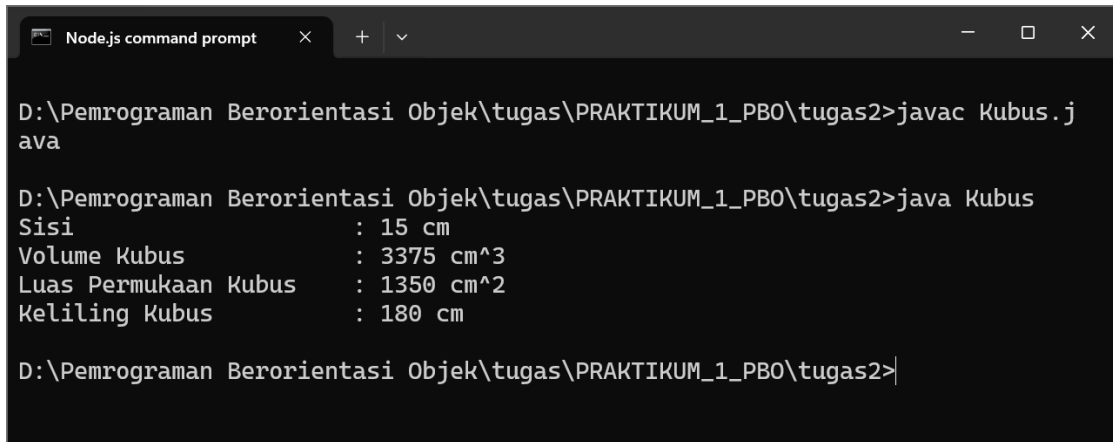
```
public class Kubus{
    public static void main(String args[])
    {
        int s = 15 ;
        int vol = s*s*s;
        int luas = 6*s*s;
```

```

        int kel = 12*s;
        System.out.println("Sisi                : " +s + " cm");
        System.out.println("Volume Kubus         : " +vol + " cm^3");
        System.out.println("Luas Permukaan Kubus : " +luas + " cm^2");
        System.out.println("Keliling Kubus      : " +kel + " cm");
    }
}

```

Output:



```

Node.js command prompt
D:\Pemrograman Berorientasi Objek\tugas\PRAKTIKUM_1_PBO\tugas2>javac Kubus.j
ava
D:\Pemrograman Berorientasi Objek\tugas\PRAKTIKUM_1_PBO\tugas2>java Kubus
Sisi                : 15 cm
Volume Kubus         : 3375 cm^3
Luas Permukaan Kubus : 1350 cm^2
Keliling Kubus      : 180 cm
D:\Pemrograman Berorientasi Objek\tugas\PRAKTIKUM_1_PBO\tugas2>|

```