

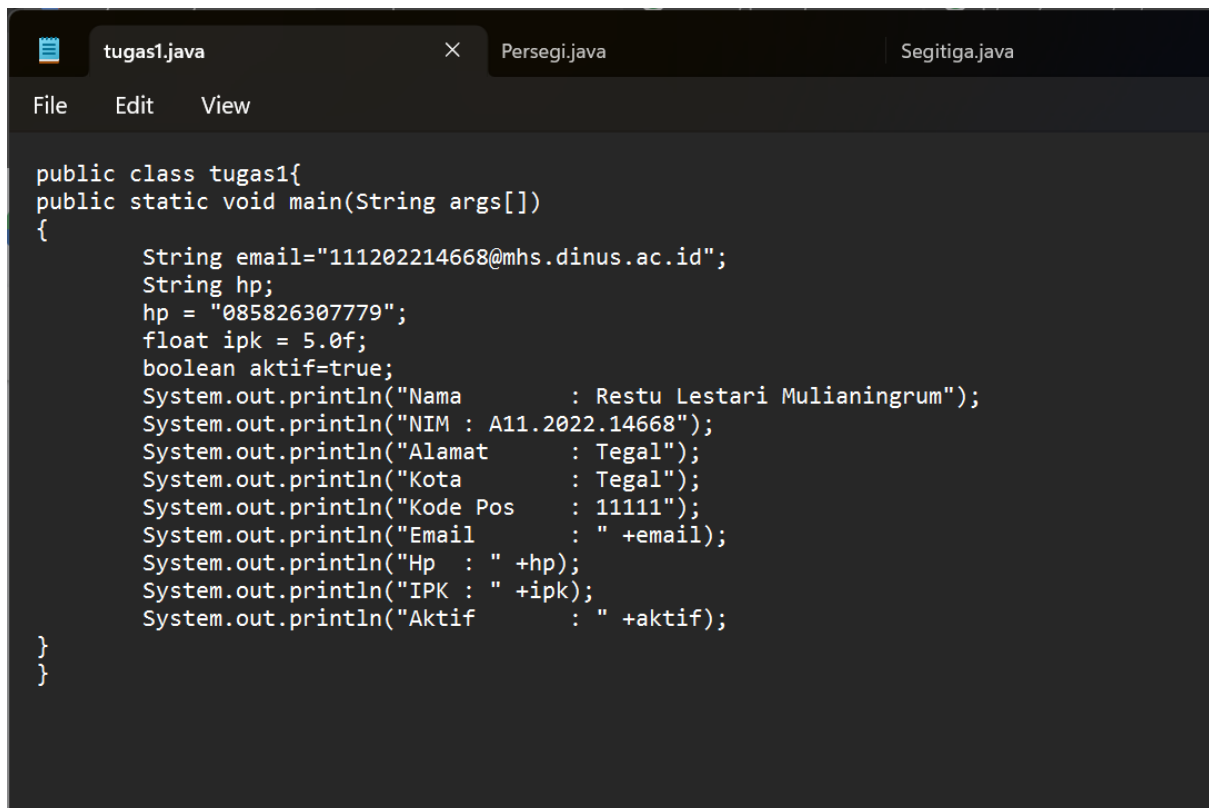
Nama : Restu Lestari Mulianingrum

NIM : A11.2022.14668

Kelompok : A11.4415

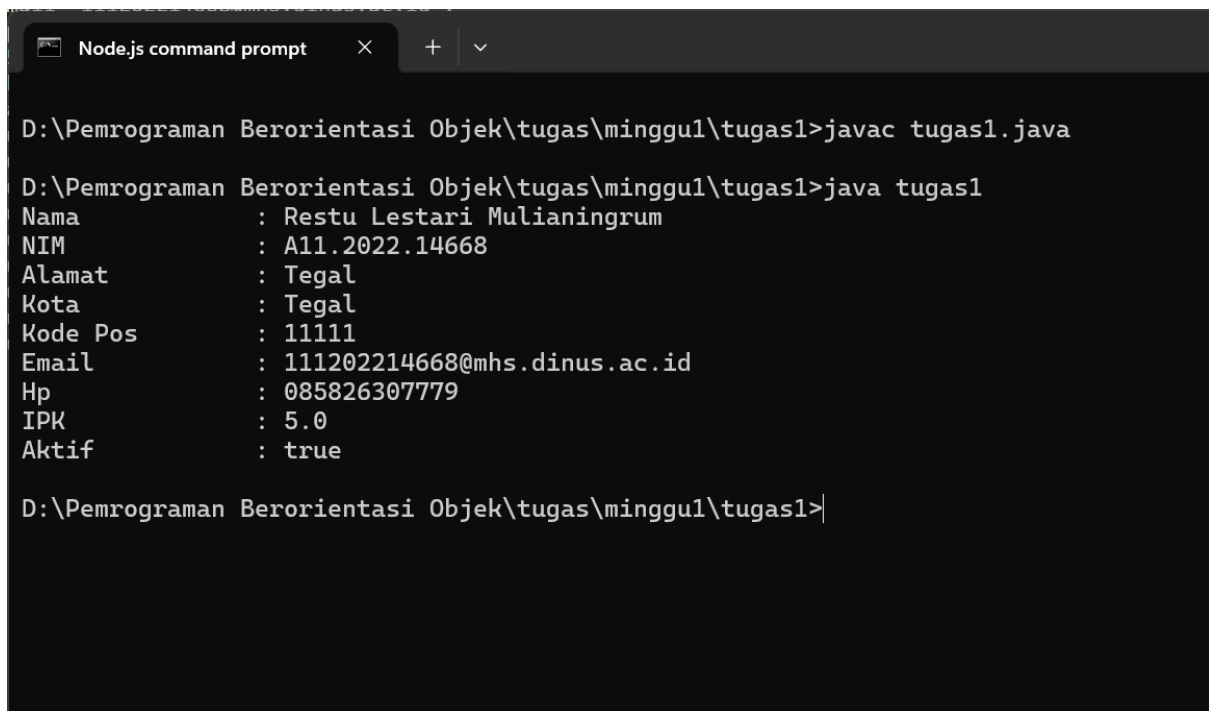
## Tugas 1

Program sederhana untuk menampilkan data pribadi

A screenshot of a Java IDE with three tabs: 'tugas1.java', 'Persegi.java', and 'Segitiga.java'. The 'tugas1.java' tab is active, showing a Java class named 'tugas1' with a 'main' method. The code initializes variables for email, hp, ipk, and aktif, and then prints out personal information using System.out.println.

```
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:



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

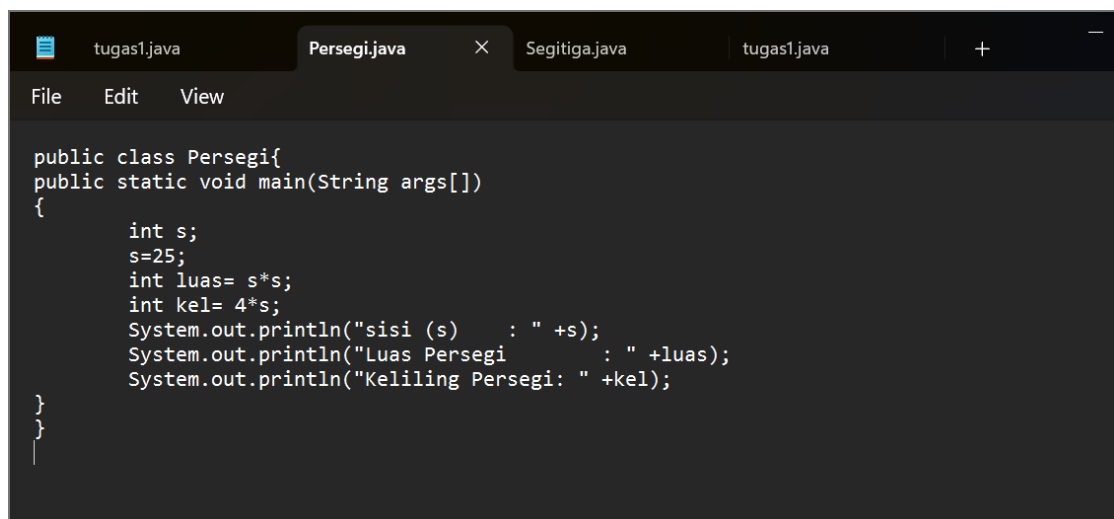
D:\Pemrograman Berorientasi Objek\tugas\minggu1\tugas1>java tugas1
Nama      : Restu Lestari Mulianingrum
NIM       : A11.2022.14668
Alamat    : Tegal
Kota      : Tegal
Kode Pos  : 11111
Email     : 111202214668@mhs.dinus.ac.id
Hp        : 085826307779
IPK       : 5.0
Aktif     : true

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

## Tugas 2

Program menghitung luas dan keliling

### a. Persegi



```
tugas1.java  Persegi.java  Segitiga.java  tugas1.java  +  -
File Edit View

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

```
tugas1.java | Persegi.java | Segitiga.java X | tugas1.java | +
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);
}
}
```

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

```
Persegi.java | tugas1.java | Lingkaran.java | Segitiga.java | +
File Edit View

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 | + | v

D:\Pemrograman Berorientasi Objek\tugas\minggul\tugas2>javac Lingkaran.java

D:\Pemrograman Berorientasi Objek\tugas\minggul\tugas2>java Lingkaran
phi                : 3.14
Jari-jari          : 17
Luas lingkaran     : 907.46
Keliling lingkaran : 106.76

D:\Pemrograman Berorientasi Objek\tugas\minggul\tugas2>|
```

d. Kubus

```
Persegi.java | tugas1.java | Kubus.java | Segitiga.java | +
File Edit View

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

Output:

```
Node.js command prompt x + v
D:\Pemrograman Berorientasi Objek\tugas\minggu1\tugas2>javac Kubus.java
D:\Pemrograman Berorientasi Objek\tugas\minggu1\tugas2>java Kubus
Sisi           : 15 cm
Luas Kubus     : 3375 cm^3
Keliling Kubus : 180 cm
D:\Pemrograman Berorientasi Objek\tugas\minggu1\tugas2>
```