

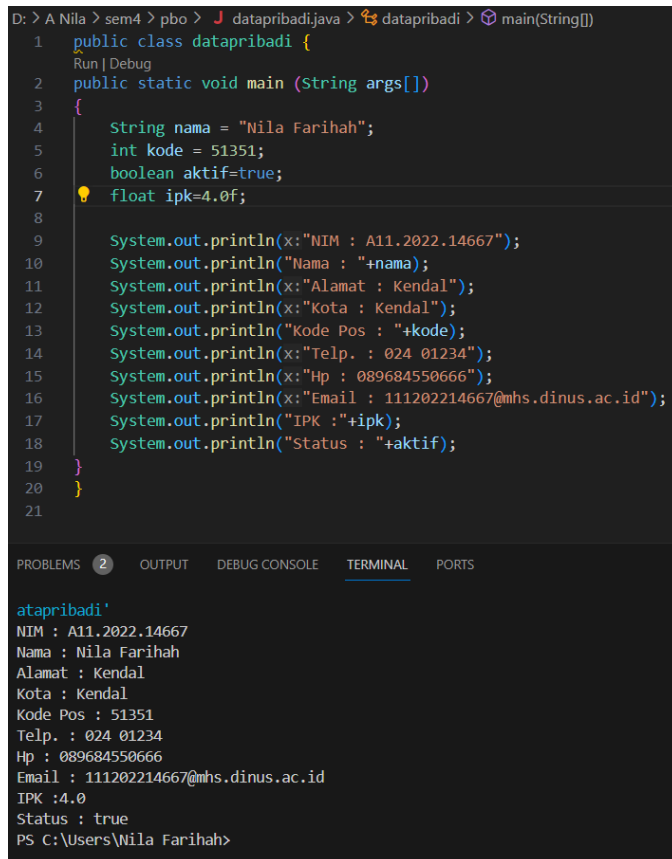
**Nama : Nila Farihah**

**NIM : A11.2022.14667**

## **PRAKTIKUM 1**

**Tugas 1 :**

**datapribadi.java**



```
D:\> A Nila > sem4 > pbo > J datapribadi.java > datapribadi > main(String[])
1  public class datapribadi {
   Run | Debug
2  public static void main (String args[])
3  {
4      String nama = "Nila Farihah";
5      int kode = 51351;
6      boolean aktif=true;
7      float ipk=4.0f;
8
9      System.out.println(x:"NIM : A11.2022.14667");
10     System.out.println("Nama : "+nama);
11     System.out.println(x:"Alamat : Kendal");
12     System.out.println(x:"Kota : Kendal");
13     System.out.println("Kode Pos : "+kode);
14     System.out.println(x:"Telp. : 024 01234");
15     System.out.println(x:"Hp : 089684550666");
16     System.out.println(x:"Email : 111202214667@mhs.dinus.ac.id");
17     System.out.println("IPK : "+ipk);
18     System.out.println("Status : "+aktif);
19 }
20 }
21

PROBLEMS 2 OUTPUT DEBUG CONSOLE TERMINAL PORTS

atapribadi'
NIM : A11.2022.14667
Nama : Nila Farihah
Alamat : Kendal
Kota : Kendal
Kode Pos : 51351
Telp. : 024 01234
Hp : 089684550666
Email : 111202214667@mhs.dinus.ac.id
IPK :4.0
Status : true
PS C:\Users\Nila Farihah>
```

**Source code :**

```
public class datapribadi {

public static void main (String args[])

{

    String nama = "Nila Farihah";

    int kode = 51351;

    boolean aktif=true;

    float ipk=4.0f;

    System.out.println("NIM : A11.2022.14667");

    System.out.println("Nama : "+nama);
```

```

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

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

System.out.println("Kode Pos : "+kode);

System.out.println("Telp. : 024 01234");

System.out.println("Hp : 089684550666");

System.out.println("Email : 111202214667@mhs.dinus.ac.id");

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

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

}

}

```

## Tugas 2 :

### Luas dan Keliling

#### 1. Persegi



```

D: > A Nila > sem4 > pbo > pertemuan1 > J persegi.java > Run | Debug
1 public class persegi {
2     public static void main (String args[])
3     {
4         int s;
5         s = 20;
6         int luas=s*s;
7         int kel=s+s+s+s;
8
9         System.out.println("Sisi : "+s);
10        System.out.println("Luas = "+luas);
11        System.out.println("Keliling = "+kel);
12    }
13
14 }
15

```

PROBLEMS 3 OUTPUT DEBUG CONSOLE TERMINAL PORTS

Try the new cross-platform PowerShell <https://aka.ms/powershell>

```

PS C:\Users\Nila Farihah> & 'C:\Program Files\Java\jdk-21\bin\java.exe' -cp 'C:\Program Files\Java\jdk-21\bin\java-project\bin' 'persegi'
Sisi : 20
Luas = 400
Keliling = 80
PS C:\Users\Nila Farihah>

```

#### Source code :

```

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

```

```

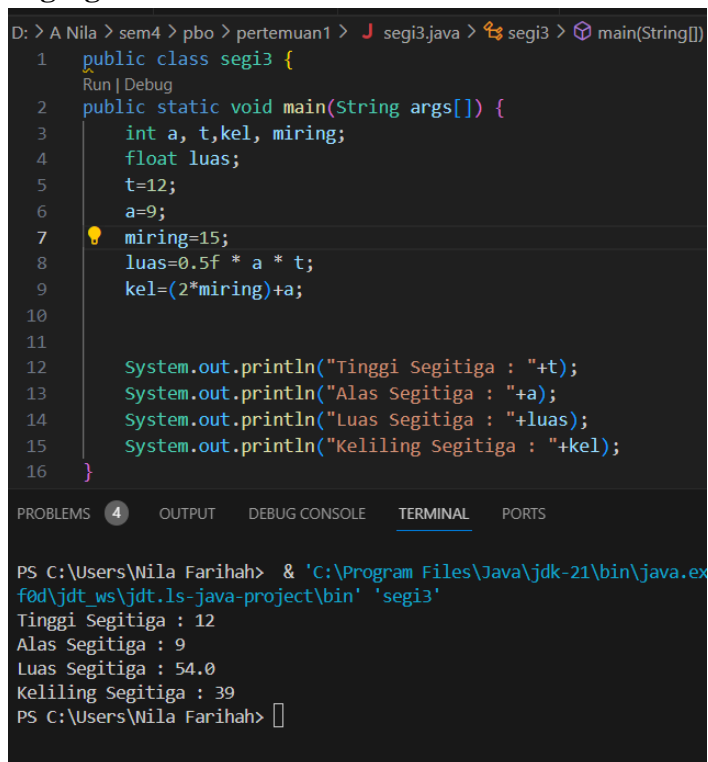
{
    int s;
    s = 20;
    int luas=s*s;
    int kel=s+s+s+s;

    System.out.println("Sisi : "+s);
    System.out.println("Luas = "+luas);
    System.out.println("Keliling = "+kel);
}

}

```

## 2. Segitiga



The screenshot shows an IDE with a Java file named `segi3.java`. The code defines a class `segi3` with a `main` method. It calculates the height, area, and perimeter of a triangle with a base of 12 and a height of 9. The terminal output shows the results of these calculations.

```

D: > A Nila > sem4 > pbo > pertemuan1 > J segi3.java > segi3 > main(String[])
1 public class segi3 {
2     public static void main(String args[]) {
3         int a, t, kel, miring;
4         float luas;
5         t=12;
6         a=9;
7         miring=15;
8         luas=0.5f * a * t;
9         kel=(2*miring)+a;
10
11
12         System.out.println("Tinggi Segitiga : "+t);
13         System.out.println("Alas Segitiga : "+a);
14         System.out.println("Luas Segitiga : "+luas);
15         System.out.println("Keliling Segitiga : "+kel);
16     }
}

PROBLEMS 4 OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\Users\Nila Farihah> & 'C:\Program Files\Java\jdk-21\bin\java.exe'
f0d\jdt_ws\jdt.ls-java-project\bin' 'segi3'
Tinggi Segitiga : 12
Alas Segitiga : 9
Luas Segitiga : 54.0
Keliling Segitiga : 39
PS C:\Users\Nila Farihah>

```

### Source code :

```

public class segi3 {
    public static void main(String args[]) {
        int a, t, kel, miring;
        float luas;
        t=12;
        a=9;
        miring=15;
        luas=0.5f * a * t;
        kel=(2*miring)+a;
    }
}

```

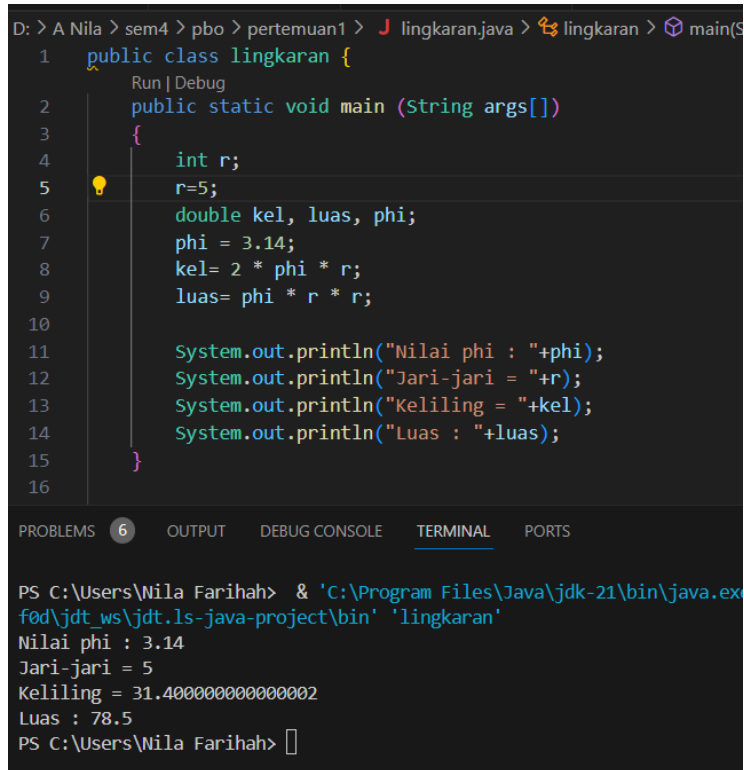
```

System.out.println("Tinggi Segitiga : "+t);
System.out.println("Alas Segitiga : "+a);
System.out.println("Luas Segitiga : "+luas);
System.out.println("Keliling Segitiga : "+kel);
}

}

```

### 3. Lingkaran



The screenshot shows an IDE with the following source code for the `lingkaran` class:

```

1 public class lingkaran {
2     public static void main (String args[])
3     {
4         int r;
5         r=5;
6         double kel, luas, phi;
7         phi = 3.14;
8         kel= 2 * phi * r;
9         luas= phi * r * r;
10
11         System.out.println("Nilai phi : "+phi);
12         System.out.println("Jari-jari = "+r);
13         System.out.println("Keliling = "+kel);
14         System.out.println("Luas : "+luas);
15     }
16 }

```

The terminal output shows the execution results:

```

PS C:\Users\Nila Farihah> & 'C:\Program Files\Java\jdk-21\bin\java.exe'
f0d\jdt_ws\jdt.ls-java-project\bin' 'lingkaran'
Nilai phi : 3.14
Jari-jari = 5
Keliling = 31.400000000000002
Luas : 78.5
PS C:\Users\Nila Farihah> 

```

#### Source code :

```

public class lingkaran {
    public static void main (String args[])
    {
        int r;
        r=5;
        double kel, luas, phi;
        phi = 3.14;
        kel= 2 * phi * r;
        luas= phi * r * r;
        System.out.println("Nilai phi : "+phi);
        System.out.println("Jari-jari = "+r);
        System.out.println("Keliling = "+kel);
        System.out.println("Luas : "+luas);
    }
}

```

#### 4. Kubus

```
D: > A Nila > sem4 > pbo > pertemuan1 > J kubus.java > kubus > main(Strin
1 public class kubus {
2     public static void main (String args[])
3     {
4         int s;
5         s = 10;
6         int luas=6*(s*s);
7         int kel=12 * s;
8
9         System.out.println("Sisi : "+s);
10        System.out.println("Luas Kubus = "+luas);
11        System.out.println("Keliling Kubus = "+kel);
12    }
13
14
15 }
16
```

PROBLEMS 5 OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
PS C:\Users\Nila Farihah> & 'C:\Program Files\Java\jdk-21\bin\java
f0d\jdt_ws\jdt.ls-java-project\bin' 'kubus'
Sisi : 10
Luas Kubus = 600
Keliling Kubus = 120
PS C:\Users\Nila Farihah>
```

#### Source code :

```
public class kubus {
    public static void main (String args[])
    {
        int s;
        s = 10;
        int luas=6*(s*s);
        int kel=12 * s;

        System.out.println("Sisi : "+s);
        System.out.println("Luas Kubus = "+luas);
        System.out.println("Keliling Kubus = "+kel);
    }
}
```