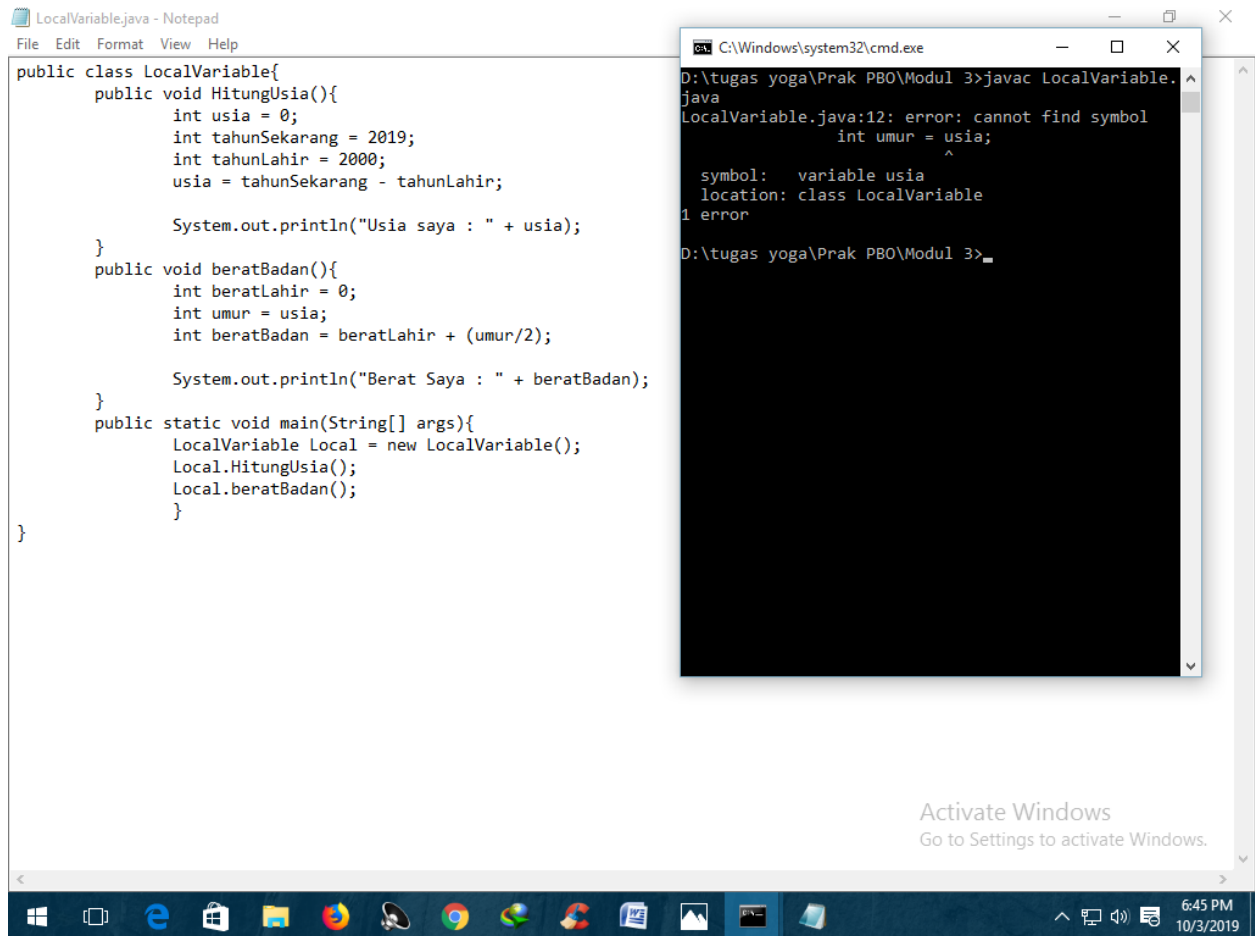


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## Latihan 1



The screenshot shows a Windows desktop with a taskbar at the bottom. Two windows are open:

- LocalVariable.java - Notepad**: Contains the following Java code:

```
public class LocalVariable{
    public void HitungUsia(){
        int usia = 0;
        int tahunSekarang = 2019;
        int tahunLahir = 2000;
        usia = tahunSekarang - tahunLahir;

        System.out.println("Usia saya : " + usia);
    }
    public void beratBadan(){
        int beratLahir = 0;
        int umur = usia;
        int beratBadan = beratLahir + (umur/2);

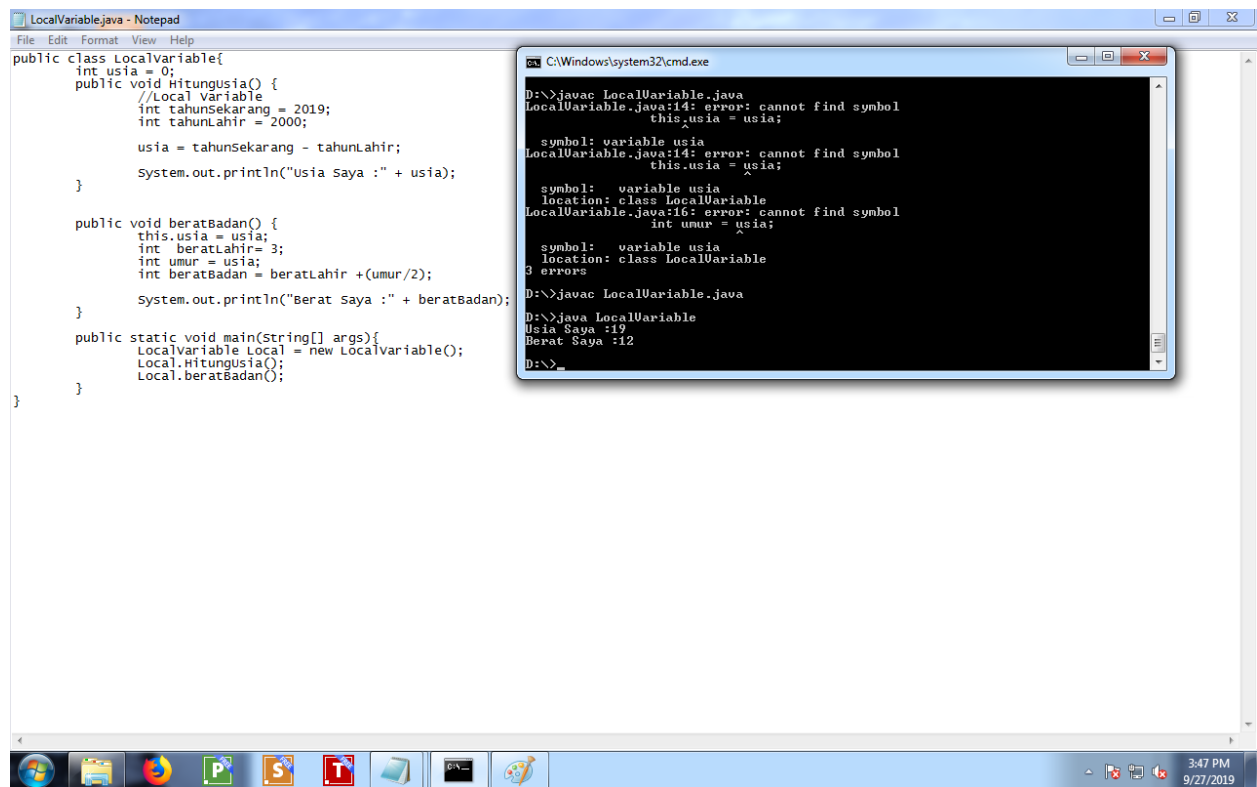
        System.out.println("Berat Saya : " + beratBadan);
    }
    public static void main(String[] args){
        LocalVariable Local = new LocalVariable();
        Local.HitungUsia();
        Local.beratBadan();
    }
}
```
- C:\Windows\system32\cmd.exe**: Shows the command prompt output:

```
D:\tugas yoga\Prak PBO\Modul 3>javac LocalVariable.
java
LocalVariable.java:12: error: cannot find symbol
        int umur = usia;
                   ^
    symbol:   variable usia
    location: class LocalVariable
1 error

D:\tugas yoga\Prak PBO\Modul 3>
```

An "Activate Windows" watermark is visible in the bottom right corner of the desktop.

## Latihan 2



The screenshot shows a Java IDE window titled "LocalVariable.java - Notepad" and a Windows command prompt window titled "C:\Windows\system32\cmd.exe".

**LocalVariable.java - Notepad**

```
public class LocalVariable{
    int usia = 0;
    public void Hitungusia() {
        //Local Variable
        int tahunSekarang = 2019;
        int tahunLahir = 2000;

        usia = tahunSekarang - tahunLahir;

        System.out.println("usia Saya : " + usia);
    }

    public void beratBadan() {
        this.usia = usia;
        int beratLahir = 3;
        int umur = usia;
        int beratBadan = beratLahir + (umur/2);

        System.out.println("Berat Saya : " + beratBadan);
    }

    public static void main(String[] args){
        LocalVariable Local = new LocalVariable();
        Local.Hitungusia();
        Local.beratBadan();
    }
}
```

**C:\Windows\system32\cmd.exe**

```
D:\>javac LocalVariable.java
LocalVariable.java:14: error: cannot find symbol
        this.usia = usia;
                ^
symbol: variable usia
LocalVariable.java:14: error: cannot find symbol
        this.usia = usia;
                ^
symbol: variable usia
location: class LocalVariable
LocalVariable.java:16: error: cannot find symbol
        int umur = usia;
                ^
symbol: variable usia
location: class LocalVariable
3 errors
D:\>javac LocalVariable.java
D:\>java LocalVariable
Usia Saya :19
Berat Saya :12
D:\>
```

## Latihan 3

```
public class Pegawai{  
    String nama;  
    int nip;  
    double gaji;  
  
    public String setName(String nama){  
        return this.nama = nama;  
    }  
    public int setNIP(int nip){  
        return this.nip = nip;  
    }  
    public double setGaji(double gaji){  
        return this.gaji = gaji;  
    }  
  
    public static void main(String[] args){  
        Pegawai P1 = new Pegawai();  
        Pegawai P2 = new Pegawai();  
        Pegawai P3 = new Pegawai();  
        Pegawai P4 = new Pegawai();  
        Pegawai P5 = new Pegawai();  
        P1.setName("Bagus");  
        P1.setNIP(1200180081);  
        P1.setGaji(1000000.0);  
        P2.setName("Aji");  
        P2.setNIP(1200180085);  
        P2.setGaji(2000000.0);  
        P3.setName("Andi");  
        P3.setNIP(1200180087);  
        P3.setGaji(3000000.0);  
        P4.setName("List");  
        P4.setNIP(1200180089);  
        P4.setGaji(4000000.0);  
        P5.setName("Dinda");  
        P5.setNIP(1200180090);  
        P5.setGaji(5000000.0);  
    }  
}
```

```
C:\Windows\system32\cmd.exe  
D:\tugas yoga\Prak PBO\Modul 3>javac Pegawai.java  
D:\tugas yoga\Prak PBO\Modul 3>java Pegawai  
Bagus  
1200180081  
1000000.0  
Aji  
1200180085  
2000000.0  
Andi  
1200180087  
3000000.0  
List  
1200180089  
4000000.0  
Dinda  
1200180090  
5000000.0  
D:\tugas yoga\Prak PBO\Modul 3>
```

Activate Windows  
Go to Settings to activate Windows.

```
P1.setGaji(1000000);
P2.setNama("Aji");
P2.setNIP(1200180085);
P2.setGaji(2000000);
P3.setNama("Andi");
P3.setNIP(1200180087);
P3.setGaji(3000000);
P4.setNama("List");
P4.setNIP(1200180089);
P4.setGaji(4000000);
P5.setNama("Dinda");
P5.setNIP(1200180090);
P5.setGaji(5000000);
System.out.println(
    P1.nama + "\n" +
    P1.nip + "\n" +
    P1.gaji);
System.out.println(
    P2.nama + "\n" +
    P2.nip + "\n" +
    P2.gaji);
System.out.println(
    P3.nama + "\n" +
    P3.nip + "\n" +
    P3.gaji);
System.out.println(
    P4.nama + "\n" +
    P4.nip + "\n" +
    P4.gaji);
System.out.println(
    P5.nama + "\n" +
    P5.nip + "\n" +
    P5.gaji);
}
```

```
D:\tugas yoga\Prak PBO\Modul 3>javac Pegawai.java
```

```
D:\tugas yoga\Prak PBO\Modul 3>java Pegawai
```

```
Bagus
1200180081
1000000.0
Aji
1200180085
2000000.0
Andi
1200180087
3000000.0
List
1200180089
4000000.0
Dinda
1200180090
5000000.0
```

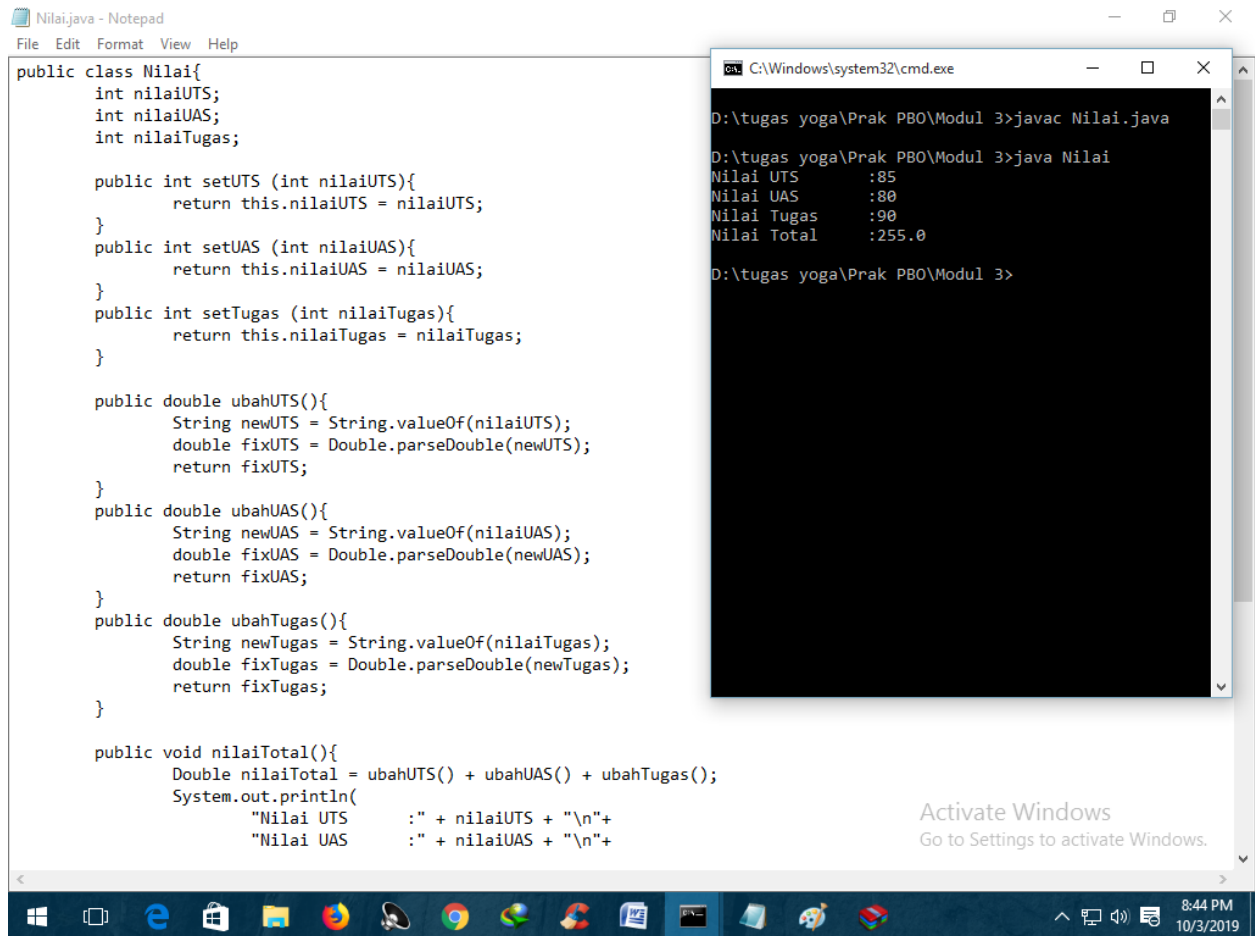
```
D:\tugas yoga\Prak PBO\Modul 3>
```

Activate Windows  
Go to Settings to activate Windows.



7:45 PM  
10/3/2019

## Pekerjaan Rumah



The screenshot shows a Windows desktop environment. On the left, a Notepad window titled 'Nilai.java - Notepad' contains the following Java code:

```
public class Nilai{
    int nilaiUTS;
    int nilaiUAS;
    int nilaiTugas;

    public int setUTS (int nilaiUTS){
        return this.nilaiUTS = nilaiUTS;
    }
    public int setUAS (int nilaiUAS){
        return this.nilaiUAS = nilaiUAS;
    }
    public int setTugas (int nilaiTugas){
        return this.nilaiTugas = nilaiTugas;
    }

    public double ubahUTS(){
        String newUTS = String.valueOf(nilaiUTS);
        double fixUTS = Double.parseDouble(newUTS);
        return fixUTS;
    }
    public double ubahUAS(){
        String newUAS = String.valueOf(nilaiUAS);
        double fixUAS = Double.parseDouble(newUAS);
        return fixUAS;
    }
    public double ubahTugas(){
        String newTugas = String.valueOf(nilaiTugas);
        double fixTugas = Double.parseDouble(newTugas);
        return fixTugas;
    }

    public void nilaiTotal(){
        Double nilaiTotal = ubahUTS() + ubahUAS() + ubahTugas();
        System.out.println(
            "Nilai UTS      : " + nilaiUTS + "\n"+
            "Nilai UAS      : " + nilaiUAS + "\n"+
```

On the right, a command prompt window titled 'C:\Windows\system32\cmd.exe' shows the execution of the program:

```
D:\tugas yoga\Prak PBO\Modul 3>javac Nilai.java

D:\tugas yoga\Prak PBO\Modul 3>java Nilai
Nilai UTS      :85
Nilai UAS      :80
Nilai Tugas    :90
Nilai Total    :255.0

D:\tugas yoga\Prak PBO\Modul 3>
```

The Windows taskbar at the bottom shows the Start button, several application icons (including Edge, File Explorer, and Chrome), and the system clock indicating 8:44 PM on 10/3/2019. An 'Activate Windows' watermark is visible in the bottom right corner of the desktop area.

```
        double fixUTS = Double.parseDouble(newUTS);
        return fixUTS;
    }
    public double ubahUAS(){
        String newUAS = String.valueOf(nilaiUAS);
        double fixUAS = Double.parseDouble(newUAS);
        return fixUAS;
    }
    public double ubahTugas(){
        String newTugas = String.valueOf(nilaiTugas);
        double fixTugas = Double.parseDouble(newTugas);
        return fixTugas;
    }

    public void nilaiTotal(){
        Double nilaiTotal = ubahUTS() + ubahUAS() + ubahTugas();
        System.out.println(
            "Nilai UTS      : " + nilaiUTS + "\n"+
            "Nilai UAS       : " + nilaiUAS + "\n"+
            "Nilai Tugas      : " + nilaiTugas + "\n"+
            "Nilai Total      : " + nilaiTotal);
    }

    public static void main(String[] args){
        Nilai n1 = new Nilai();
        n1.setUTS(85);
        n1.ubahUTS();
        n1.setUAS(80);
        n1.ubahUAS();
        n1.setTugas(90);
        n1.ubahTugas();
        n1.nilaiTotal();
    }
}
```

```
D:\tugas yoga\Prak PBO\Modul 3>javac Nilai.java
D:\tugas yoga\Prak PBO\Modul 3>java Nilai
Nilai UTS      :85
Nilai UAS      :80
Nilai Tugas    :90
Nilai Total    :255.0
D:\tugas yoga\Prak PBO\Modul 3>
```

Activate Windows  
Go to Settings to activate Windows.