

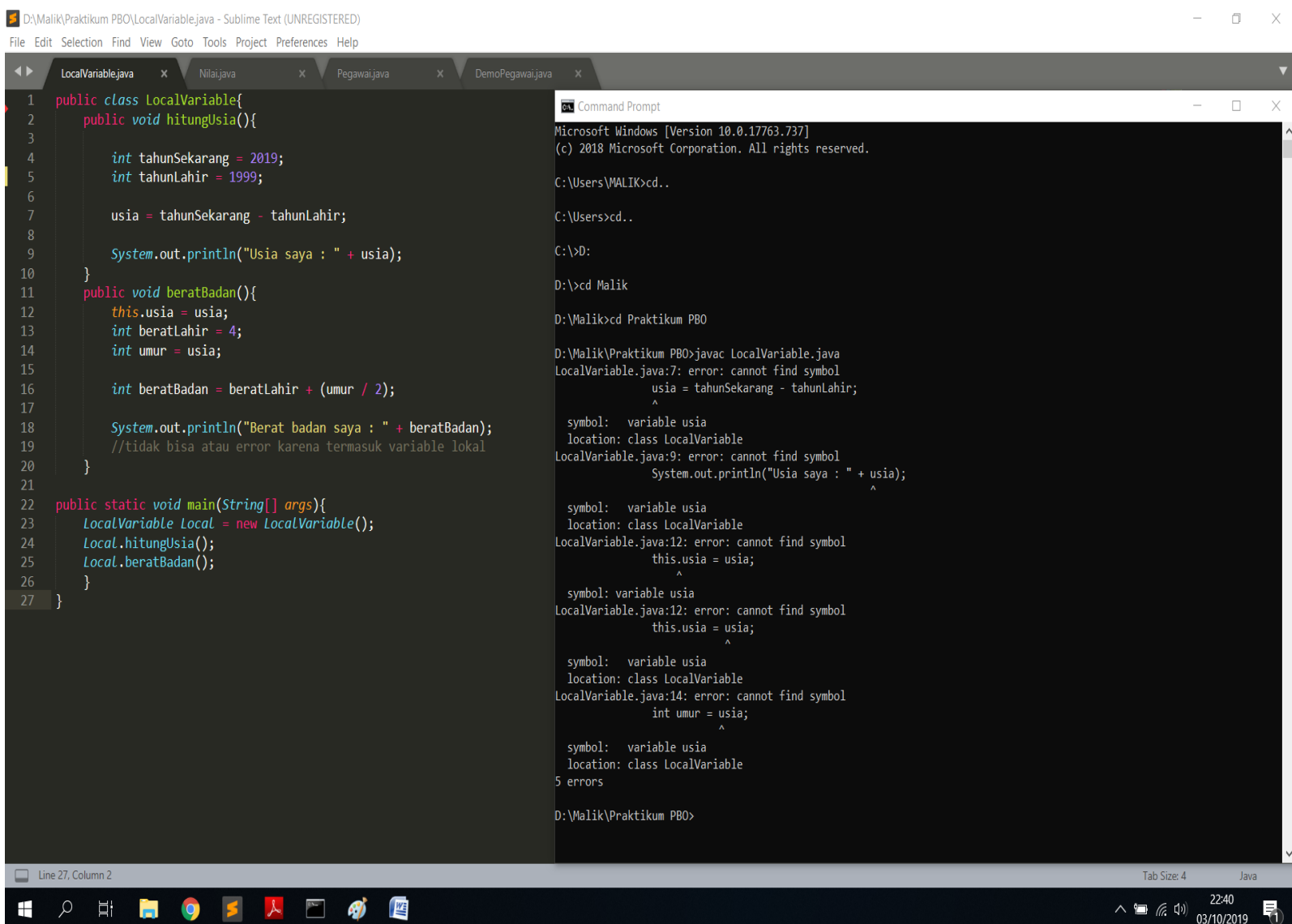
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NIM : L200180072

KELAS : B

LATIHAN 1

Kode Dan Hasil Nya Saat Di JalanKan



The screenshot shows a Java IDE with a file named `LocalVariable.java` open. The code defines a class `LocalVariable` with two methods: `hitungUsia()` and `beratBadan()`. The `hitungUsia()` method calculates the age by subtracting the birth year from the current year. The `beratBadan()` method calculates the weight based on age. The `main` method creates an instance of `LocalVariable` and calls both methods.

```
1 public class LocalVariable{
2     public void hitungUsia(){
3
4         int tahunSekarang = 2019;
5         int tahunLahir = 1999;
6
7         usia = tahunSekarang - tahunLahir;
8
9         System.out.println("Usia saya : " + usia);
10    }
11    public void beratBadan(){
12        this.usia = usia;
13        int beratLahir = 4;
14        int umur = usia;
15
16        int beratBadan = beratLahir + (umur / 2);
17
18        System.out.println("Berat badan saya : " + beratBadan);
19        //tidak bisa atau error karena termasuk variable lokal
20    }
21
22    public static void main(String[] args){
23        LocalVariable Local = new LocalVariable();
24        Local.hitungUsia();
25        Local.beratBadan();
26    }
27 }
```

The Command Prompt shows the compilation process and the resulting errors:

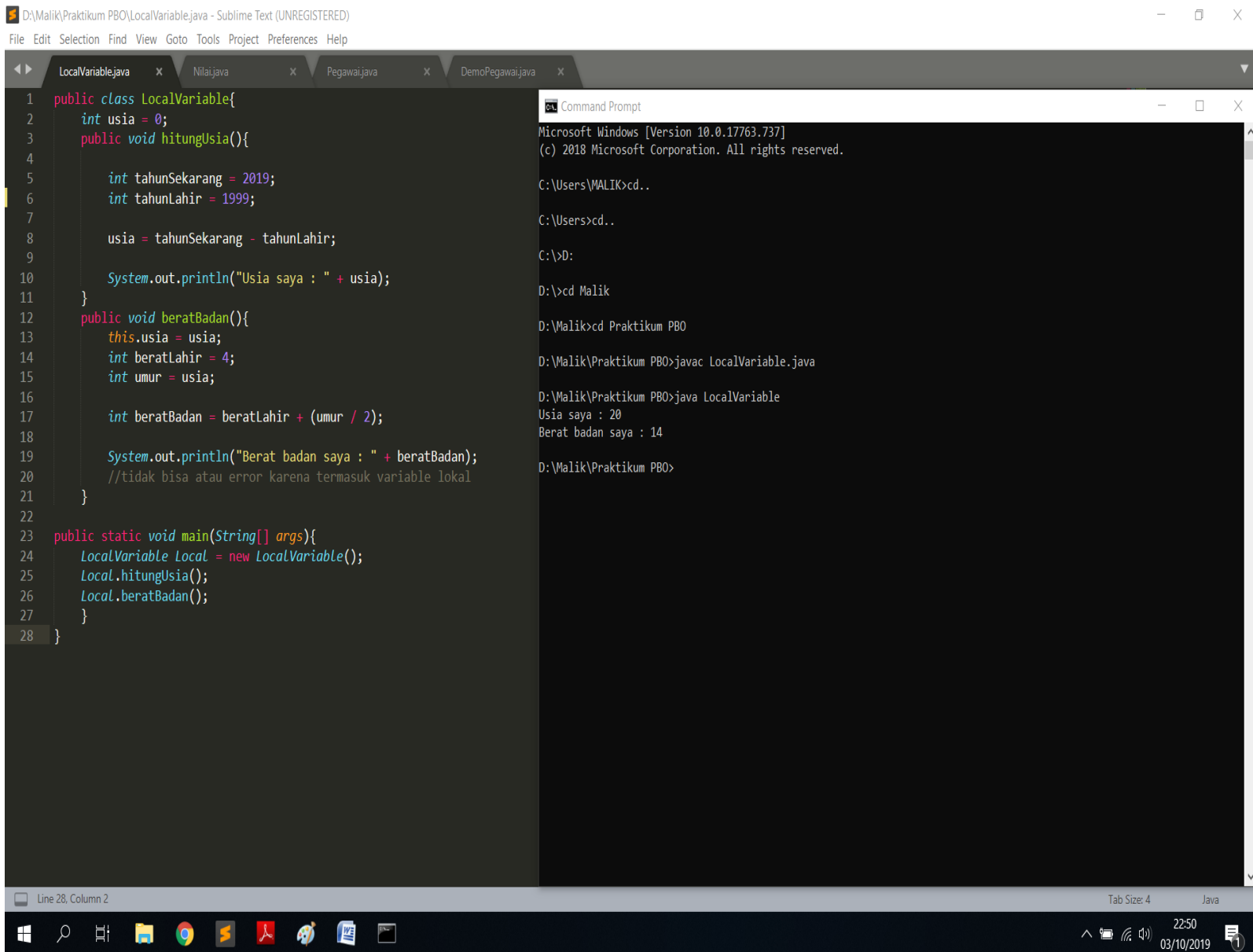
```
Microsoft Windows [Version 10.0.17763.737]
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C:\Users\MALIK>cd..
C:\Users>cd..
C:\>D:
D:\>cd Malik
D:\Malik>cd Praktikum PBO
D:\Malik\Praktikum PBO>javac LocalVariable.java
LocalVariable.java:7: error: cannot find symbol
        usia = tahunSekarang - tahunLahir;
        ^
symbol:   variable usia
location: class LocalVariable
LocalVariable.java:9: error: cannot find symbol
        System.out.println("Usia saya : " + usia);
                                   ^
symbol:   variable usia
location: class LocalVariable
LocalVariable.java:12: error: cannot find symbol
        this.usia = usia;
                ^
symbol:   variable usia
location: class LocalVariable
LocalVariable.java:14: error: cannot find symbol
        int umur = usia;
                   ^
symbol:   variable usia
location: class LocalVariable
5 errors

D:\Malik\Praktikum PBO>
```

LATIHAN 2

Kode Dan Hasil Nya Saat Di JalanKan



The screenshot shows a Java IDE with a file named `LocalVariable.java` open. The code defines a class `LocalVariable` with two methods: `hitungUsia()` and `beratBadan()`. The `hitungUsia()` method calculates the age by subtracting the birth year (1999) from the current year (2019). The `beratBadan()` method calculates the weight by adding the birth weight (4) to half of the age. The `main` method creates an instance of `LocalVariable` and calls both methods. The output of the program is displayed in a Command Prompt window, showing the calculated age (20) and weight (14).

```
1 public class LocalVariable{
2     int usia = 0;
3     public void hitungUsia(){
4
5         int tahunSekarang = 2019;
6         int tahunLahir = 1999;
7
8         usia = tahunSekarang - tahunLahir;
9
10        System.out.println("Usia saya : " + usia);
11    }
12    public void beratBadan(){
13        this.usia = usia;
14        int beratLahir = 4;
15        int umur = usia;
16
17        int beratBadan = beratLahir + (umur / 2);
18
19        System.out.println("Berat badan saya : " + beratBadan);
20        //tidak bisa atau error karena termasuk variable lokal
21    }
22
23    public static void main(String[] args){
24        LocalVariable Local = new LocalVariable();
25        Local.hitungUsia();
26        Local.beratBadan();
27    }
28 }
```

Command Prompt

```
Microsoft Windows [Version 10.0.17763.737]
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C:\Users\MALIK>cd..

C:\Users>cd..

C:\>D:

D:\>cd Malik

D:\Malik>cd Praktikum PBO

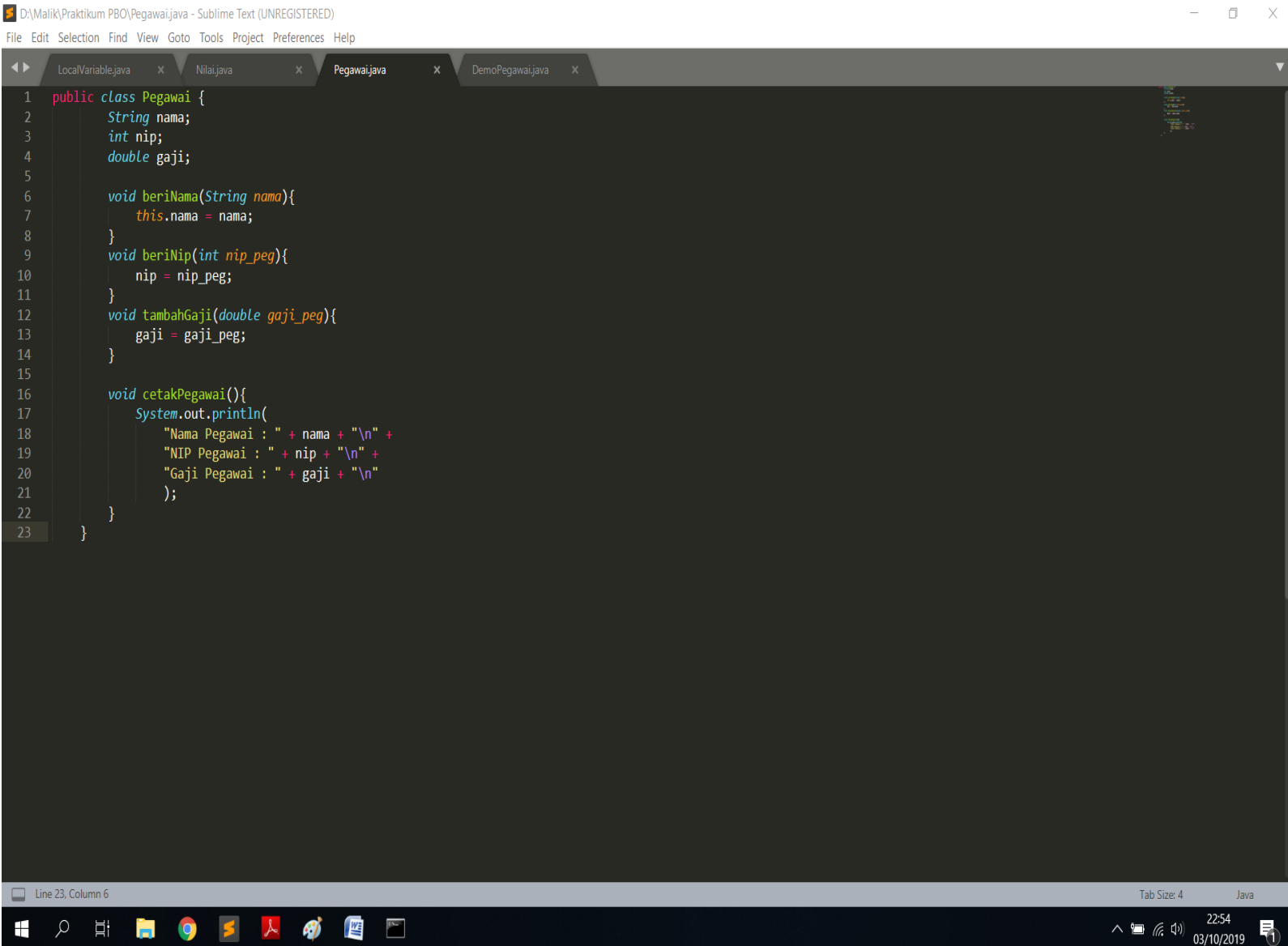
D:\Malik\Praktikum PBO>javac LocalVariable.java

D:\Malik\Praktikum PBO>java LocalVariable
Usia saya : 20
Berat badan saya : 14

D:\Malik\Praktikum PBO>
```

LATIHAN 3

Kode Dan Hasil Nya Saat Di JalanKan



```
1 public class Pegawai {
2     String nama;
3     int nip;
4     double gaji;
5
6     void beriNama(String nama){
7         this.nama = nama;
8     }
9     void beriNip(int nip_peg){
10        nip = nip_peg;
11    }
12    void tambahGaji(double gaji_peg){
13        gaji = gaji_peg;
14    }
15
16    void cetakPegawai(){
17        System.out.println(
18            "Nama Pegawai : " + nama + "\n" +
19            "NIP Pegawai : " + nip + "\n" +
20            "Gaji Pegawai : " + gaji + "\n"
21        );
22    }
23 }
```

LocalVariable.java X Nilai.java X Pegawai.java X DemoPegawai.java X

```

1 public class DemoPegawai{
2     public static void main(String[] args){
3         Pegawai pgw1 = new Pegawai ();
4         pgw1.beriNama ("Malik");
5         pgw1.beriNip (600180072);
6         pgw1.tambahGaji (9000000);
7         pgw1.cetakPegawai ();
8
9         Pegawai pgw2 = new Pegawai ();
10        pgw2.beriNama ("Naruto");
11        pgw2.beriNip (600180073);
12        pgw2.tambahGaji (6000000);
13        pgw2.cetakPegawai ();
14
15        Pegawai pgw3 = new Pegawai ();
16        pgw3.beriNama ("Hinata");
17        pgw3.beriNip (600180074);
18        pgw3.tambahGaji (8000000);
19        pgw3.cetakPegawai ();
20
21        Pegawai pgw4 = new Pegawai ();
22        pgw4.beriNama ("Sasuke");
23        pgw4.beriNip (600180075);
24        pgw4.tambahGaji (3000000);
25        pgw4.cetakPegawai ();
26
27        Pegawai pgw5 = new Pegawai ();
28        pgw5.beriNama ("Sakura");
29        pgw5.beriNip (600180076);
30        pgw5.tambahGaji (1000000);
31        pgw5.cetakPegawai ();
32    }
33 }

```

Command Prompt

Microsoft Windows [Version 10.0.17763.737]
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C:\Users\MALIK>cd..

C:\Users>cd..

C:\>D:

D:\>cd Malik

D:\Malik>cd Praktikum PBO

D:\Malik\Praktikum PBO>javac Pegawai.java

D:\Malik\Praktikum PBO>javac DemoPegawai.java

D:\Malik\Praktikum PBO>java DemoPegawai

Nama Pegawai : Malik
NIP Pegawai : 600180072
Gaji Pegawai : 9000000.0

Nama Pegawai : Naruto
NIP Pegawai : 600180073
Gaji Pegawai : 6000000.0

Nama Pegawai : Hinata
NIP Pegawai : 600180074
Gaji Pegawai : 8000000.0

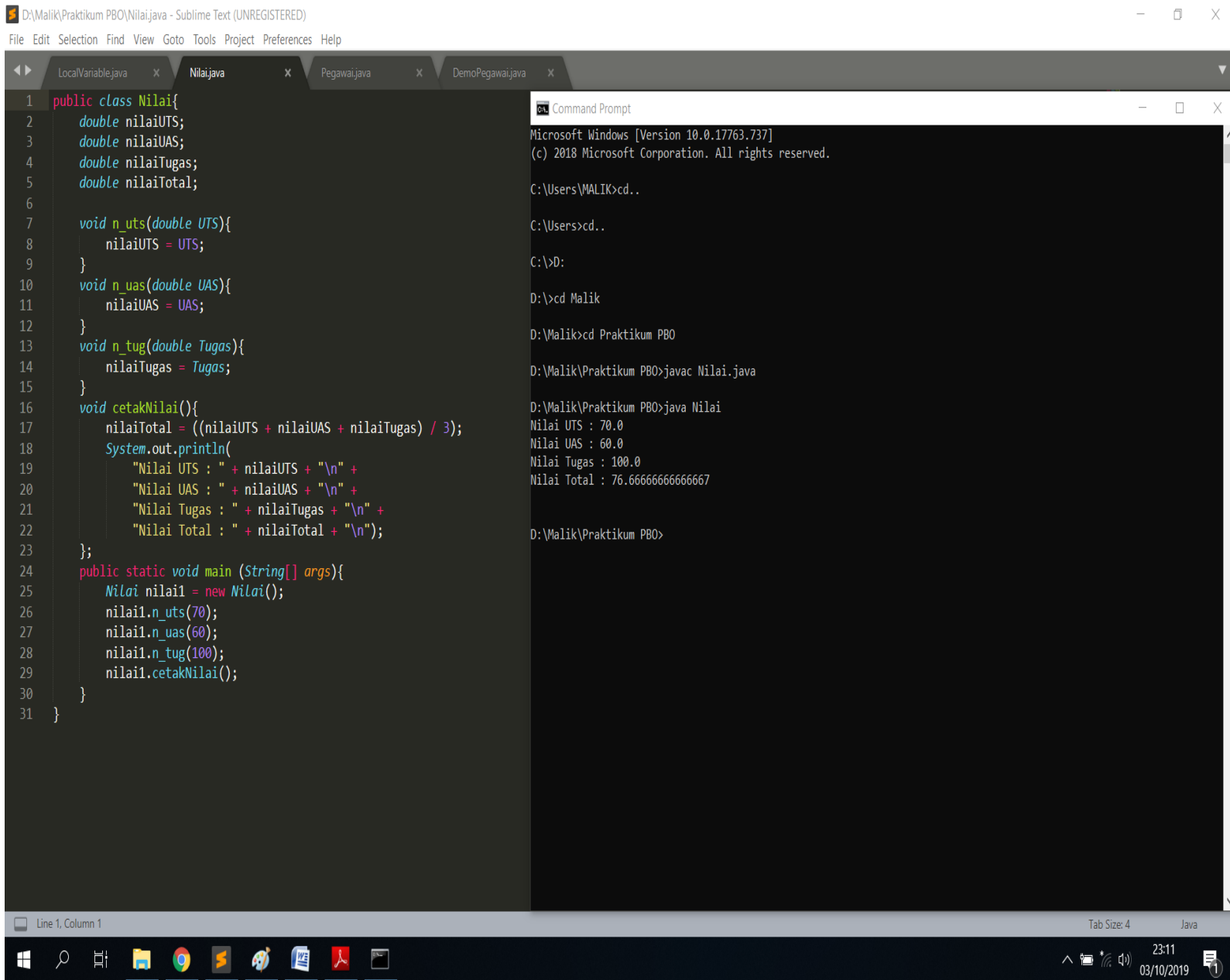
Nama Pegawai : Sasuke
NIP Pegawai : 600180075
Gaji Pegawai : 3000000.0

Nama Pegawai : Sakura
NIP Pegawai : 600180076
Gaji Pegawai : 1000000.0

D:\Malik\Praktikum PBO>

TUGAS RUMAH

Kode Dan Hasil Nya Saat Di JalanKan



```
1 public class Nilai{
2     double nilaiUTS;
3     double nilaiUAS;
4     double nilaiTugas;
5     double nilaiTotal;
6
7     void n_uts(double UTS){
8         nilaiUTS = UTS;
9     }
10    void n_uas(double UAS){
11        nilaiUAS = UAS;
12    }
13    void n_tug(double Tugas){
14        nilaiTugas = Tugas;
15    }
16    void cetakNilai(){
17        nilaiTotal = ((nilaiUTS + nilaiUAS + nilaiTugas) / 3);
18        System.out.println(
19            "Nilai UTS : " + nilaiUTS + "\n" +
20            "Nilai UAS : " + nilaiUAS + "\n" +
21            "Nilai Tugas : " + nilaiTugas + "\n" +
22            "Nilai Total : " + nilaiTotal + "\n");
23    };
24    public static void main (String[] args){
25        Nilai nilai1 = new Nilai();
26        nilai1.n_uts(70);
27        nilai1.n_uas(60);
28        nilai1.n_tug(100);
29        nilai1.cetakNilai();
30    }
31 }
```

```
Microsoft Windows [Version 10.0.17763.737]
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C:\Users\MALIK>cd..

C:\Users>cd..

C:\>D:

D:\>cd Malik

D:\Malik>cd Praktikum PBO

D:\Malik\Praktikum PBO>javac Nilai.java

D:\Malik\Praktikum PBO>java Nilai

Nilai UTS : 70.0
Nilai UAS : 60.0
Nilai Tugas : 100.0
Nilai Total : 76.66666666666667

D:\Malik\Praktikum PBO>
```