Memulai Menggunakan Apache Netbeans 12 Beserta Latihannya

Oleh:
Taryana Suryana M.Kom
Teknik Informatika Unikom

taryanarx@email.unikom.ac.id
taryanarx@gmail.com
Line/Telegram: 081221480577

Join Zoom Meeting
https://us04web.zoom.us/j/3629329963?pwd=ZUhWcXl6RHp3dTNKZmlxWkUrV2ZCQT09

Meeting ID: 362 932 9963
Passcode: 8HQiXn

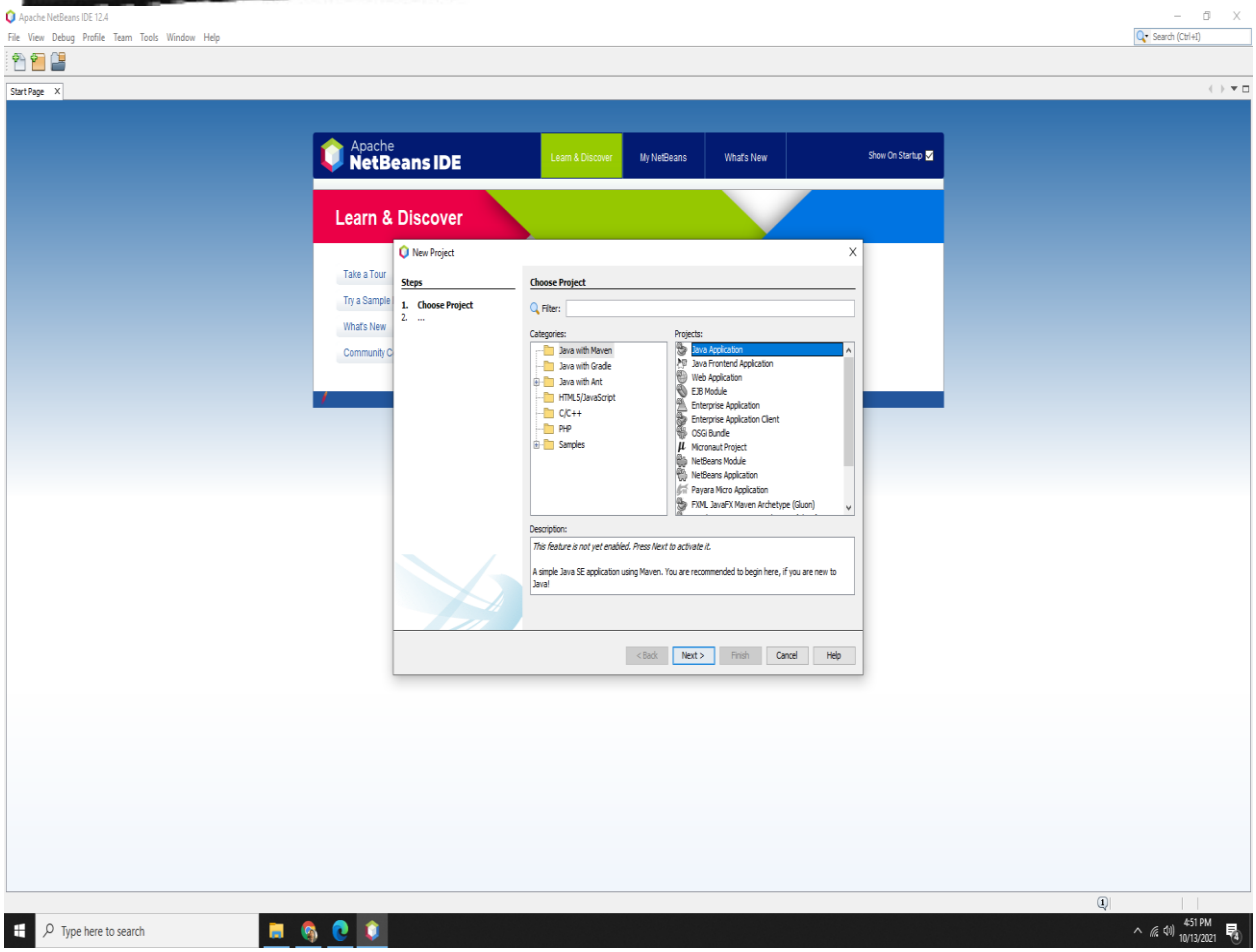
Apache Netbeans 12

Untuk dapat menggunakan Apache Netbeans 12, silahkan download software tersebut pada : https://download.informer.com/win-1195013023-b4d1e970-6e386f60/apache-netbeans-12.4-bin-windows-x64.exe
https://www.oracle.com/technetwork/java/javase/downloads/jdk-netbeans-jsp-3413139-esa.html

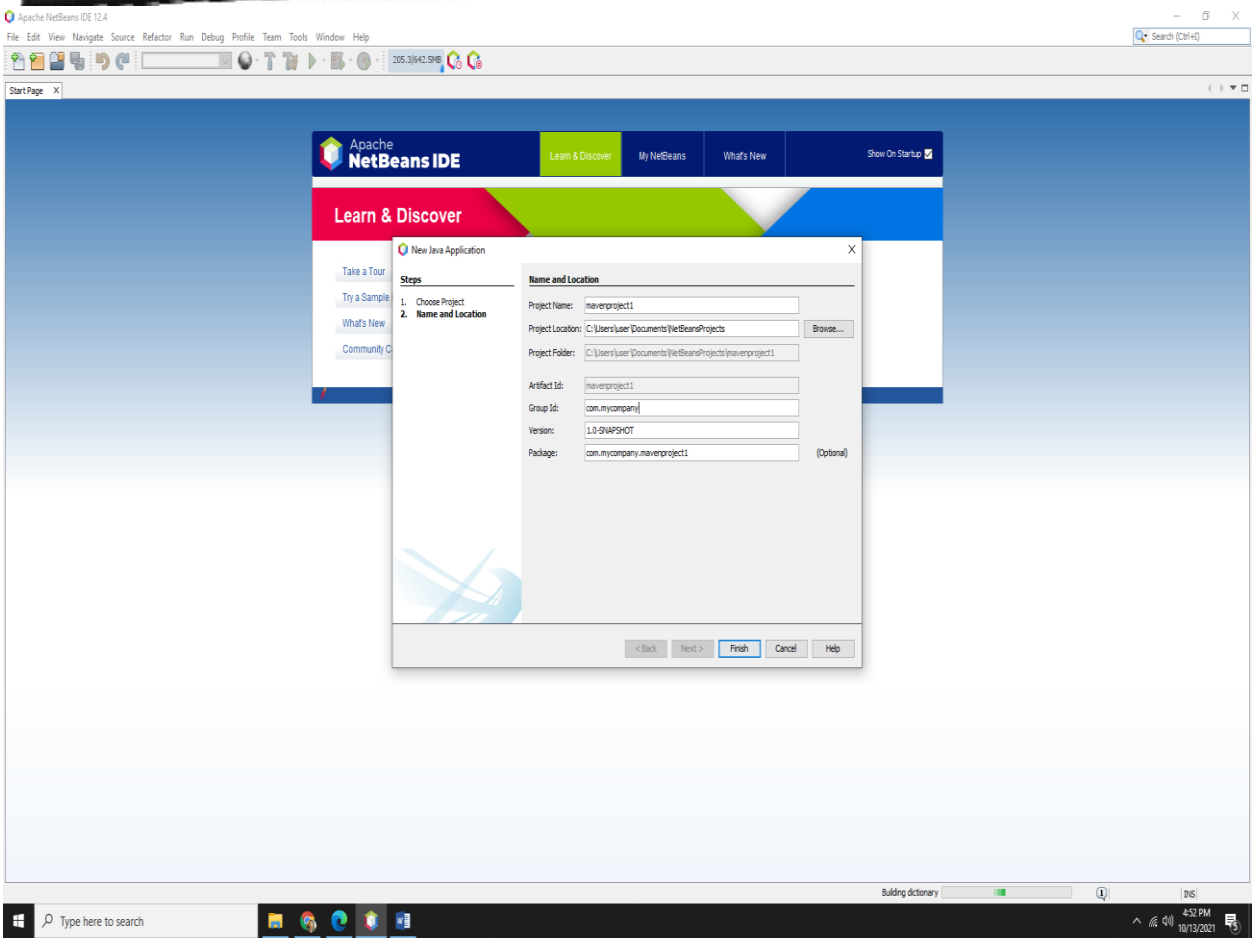
Java with Maven

Pada latihan ini kita akan mencoba menggunakan Apache Netbeans IDE dengan menggunakan Catergory ->Java with Maven

1. Pilih File->New Project
2. Pada Categories: Pilih **Java With Maven**
3. Project:Java Application

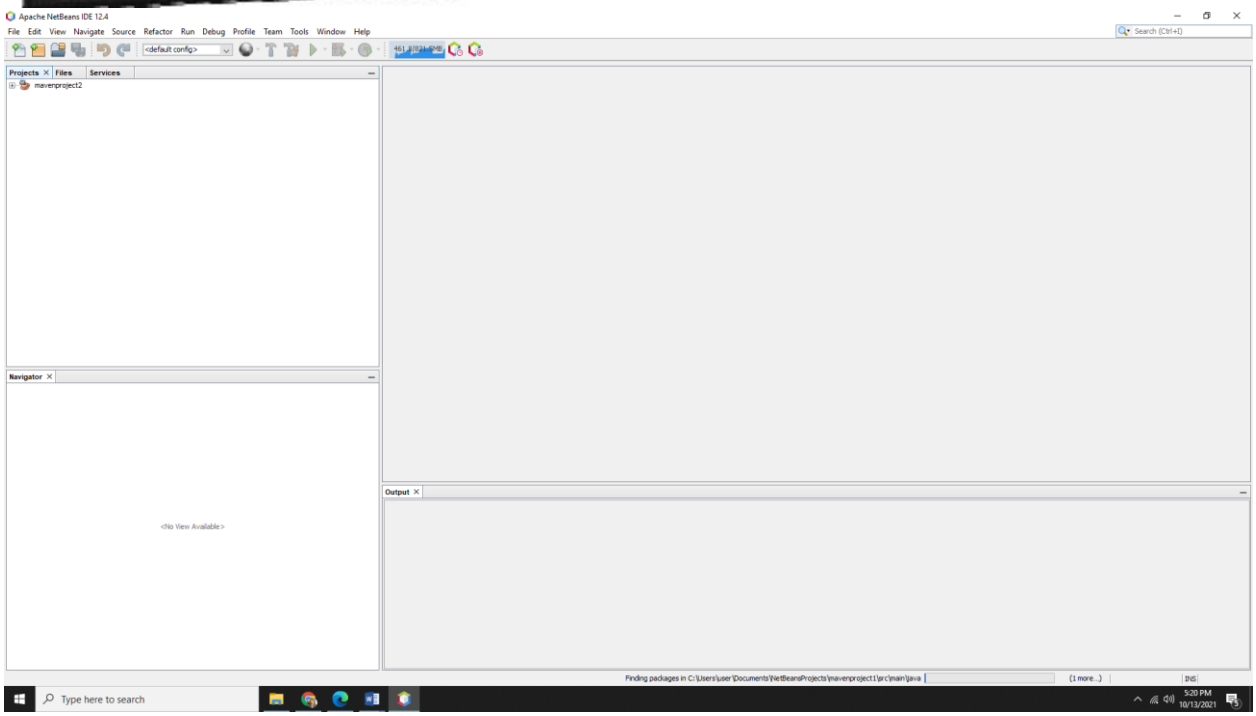


4. Click Next, kemudian akan masuk ke Step 2, Name and Location

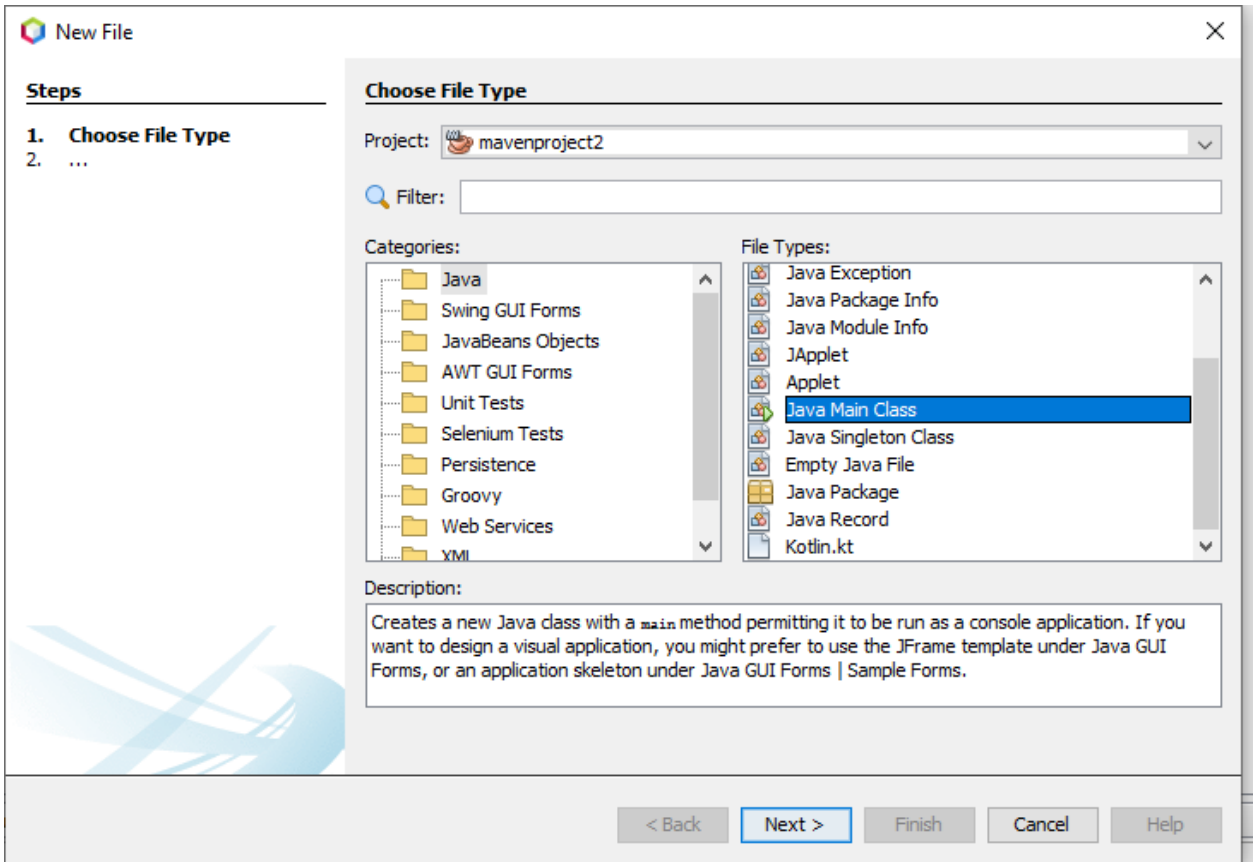


Masukan Nama Projectnya

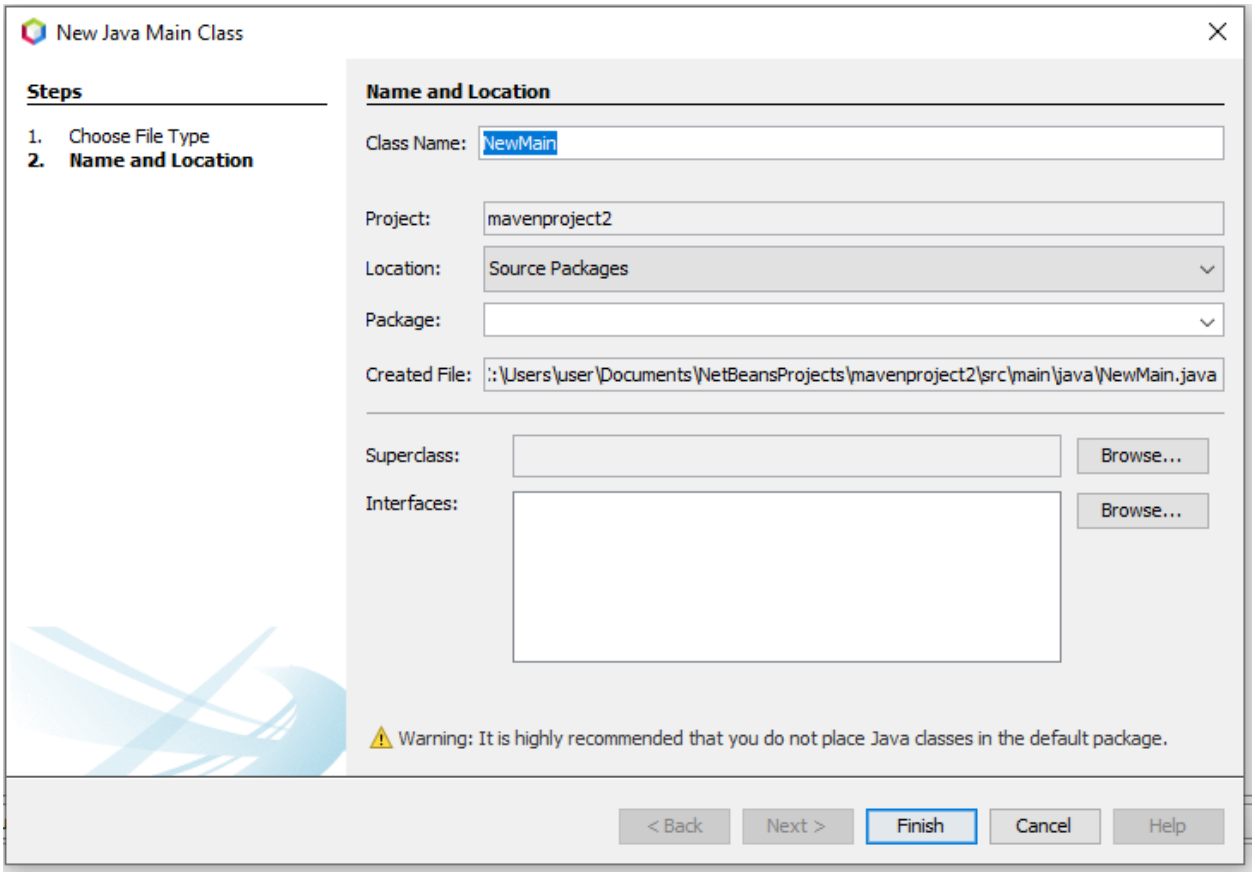
5. Kemudian Click Finish



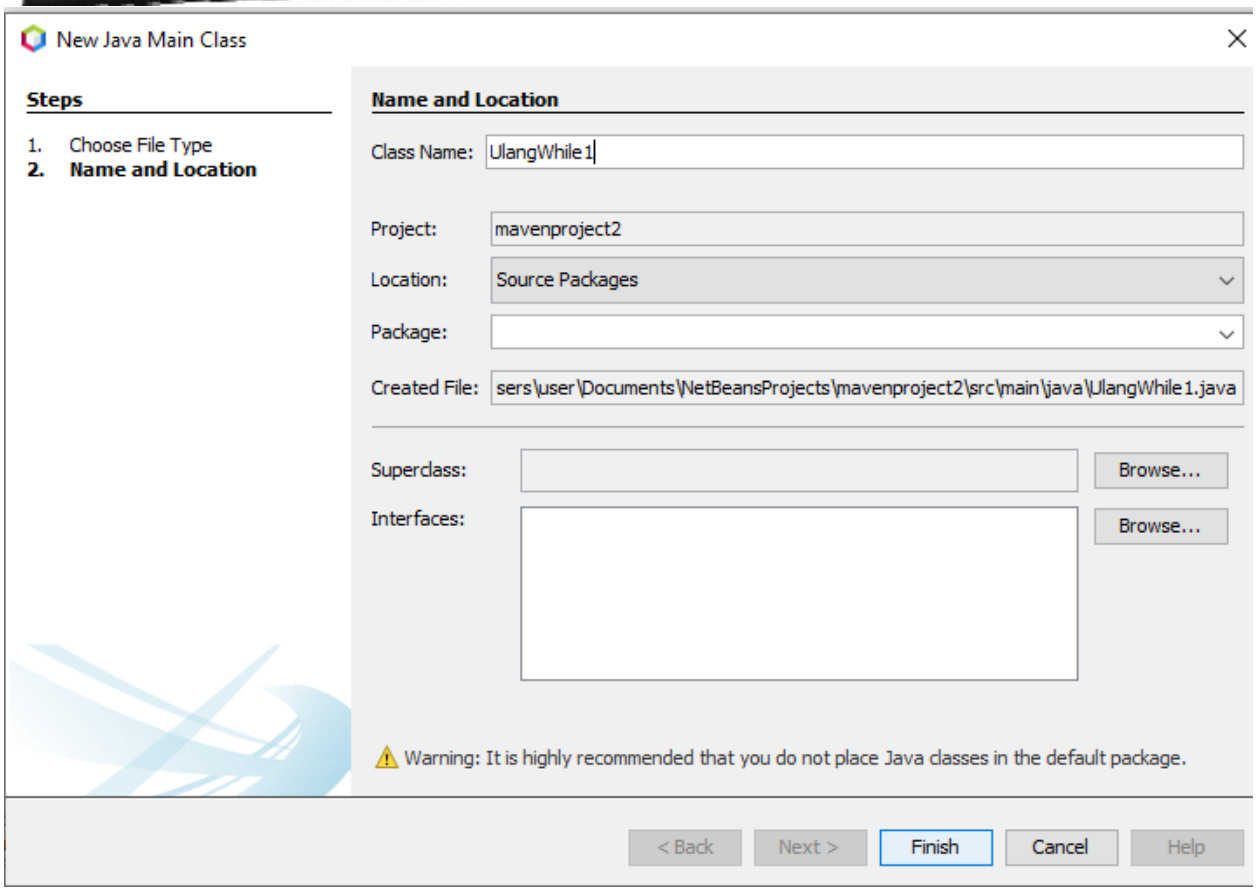
6. Click Kanan, new File, Pilih **Java Main Class**



7. Click Next



Tuliskan nama kelas yg akan dibuat, misalnya:ulangWhile1, lihat layar berikut:

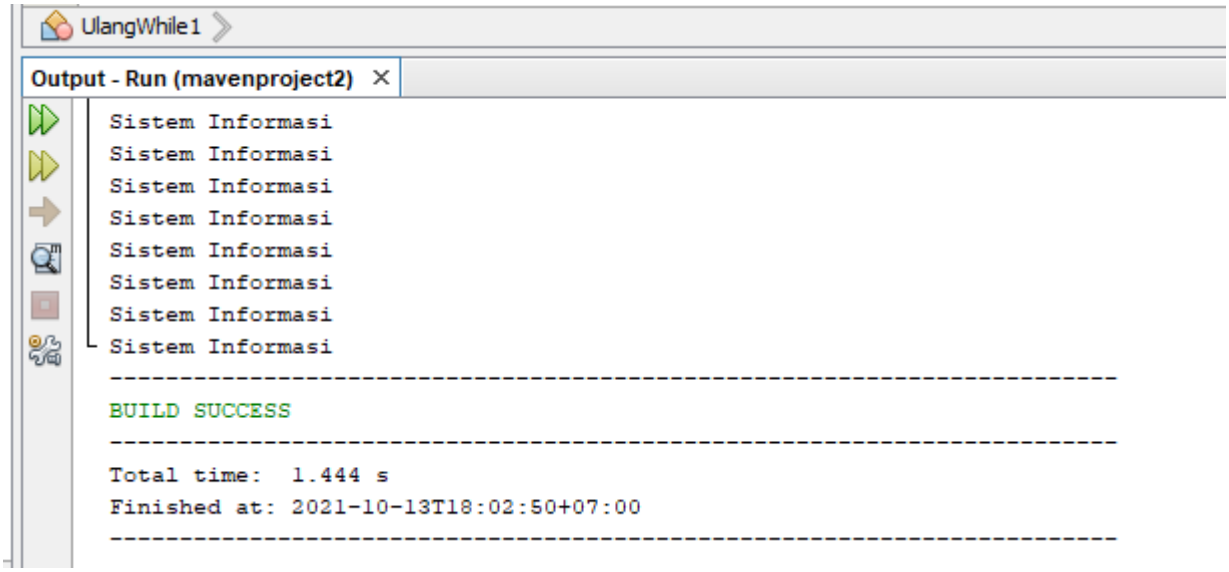


Click Finish

Latihan1:

```
public class UlangWhile1 {
    public static void main(String[] args) {
        // TODO code application logic here
        for(int u=1;u<=10;u++){
            System.out.println("Sistem Informasi");
        }
    }
}
```

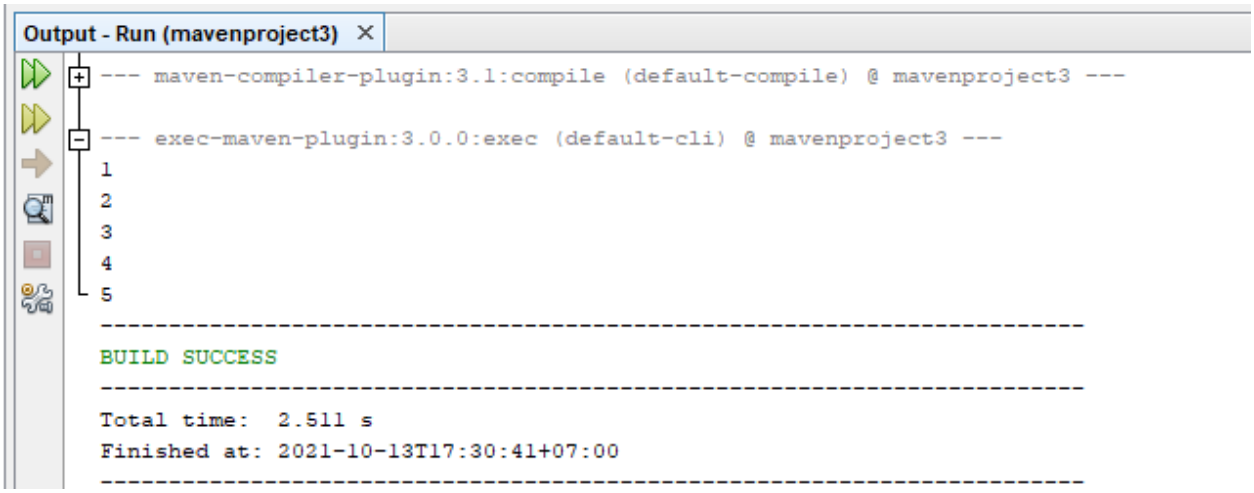
Hasil Run Latihan1:



Latihan2:

```
public class UlangWhile2 {
   public static void main(String[] args) {
      // TODO code application logic here
      int bil;
      bil=1;
      while (bil<=5) {
         System.out.println(bil);
         bil++;
      }
   }
}
```

Hasil Run Latihan2:

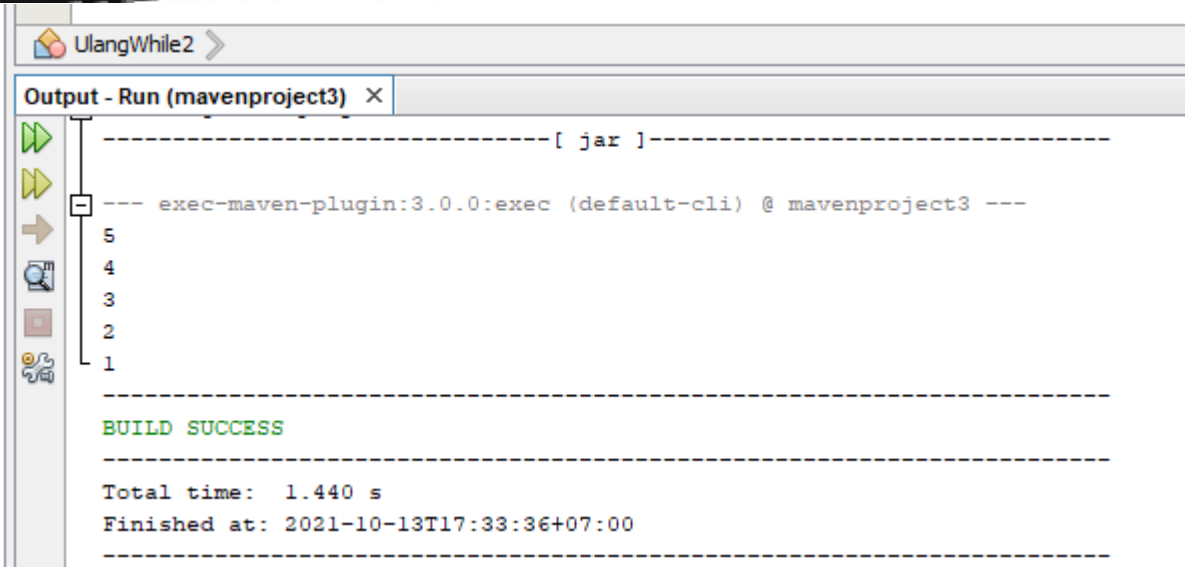


Tugas: Ubah perrnyataan bil=1 menjadi bil=5, pernyataan while (bil<=5) dengan while(bil>=1) dan bil++ menjadi bil--, amati hasil outputnya.

Tugas dari latihan2 yang udah diUbah

```
public class UlangWhile2 {
   public static void main(String[] args) {
      // TODO code application logic here
      int bil;
      bil=5;
      while (bil>=1) {
         System.out.println(bil);
         bil--;
      }
   }
}
```

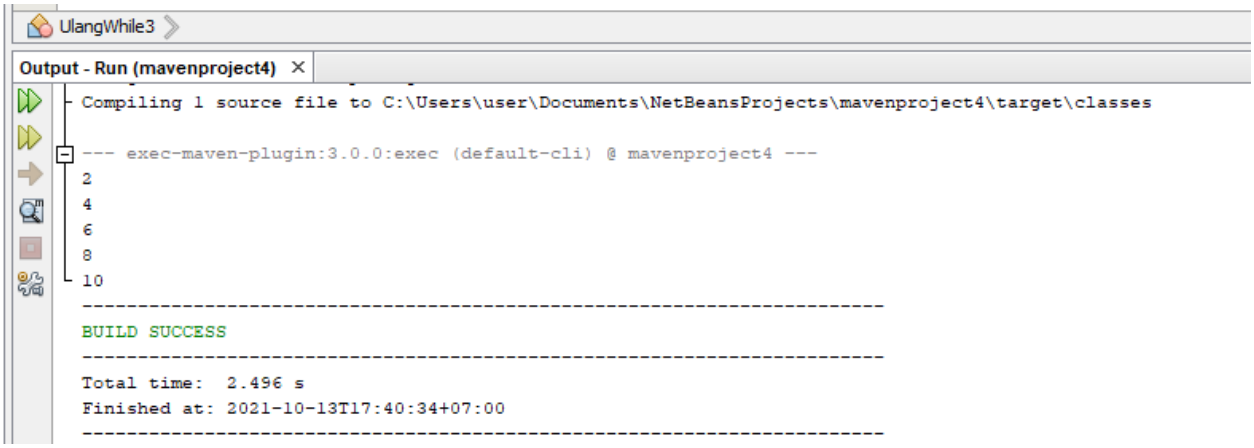
Hasil Run latihan 2: yang sudah diganti sesuai Tugas



Latihan3:

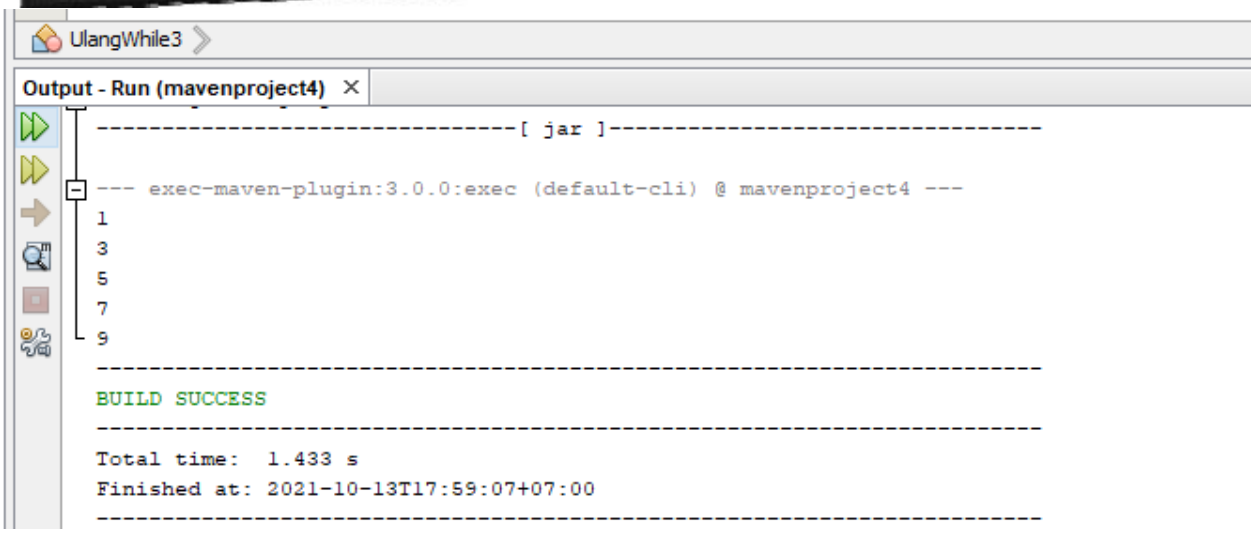
```
public class UlangWhile3 {
    public static void main(String[] args) {
        // TODO code application logic here
        int bil;
        bil=2;
        while (bil<=10) {
            System.out.println(bil);
            bil+=2;
        }
    }
}
```

Hasil Run Latihan3:



Tugas : Ubah program di atas untuk menampilkan bilangan ganjil saja yaitu 1, 3, 5, 7, 9

```
public class UlangWhile3 {
    public static void main(String[] args) {
        // TODO code application logic here
        int bil;
        bil=1;
        while (bil<=10) {
            System.out.println(bil);
            bil+=2;
        }
    }
}
```



Latihan 4:

```
public class UlangWhile4 {
   public static void main(String[] args) {
      // TODO code application logic here
      char A='a';
      int B = 0;
      int C = 1;
      while (A<='e') {
         System.out.println("Nilai A="+A);
         System.out.println("Nilai B="+B);
         System.out.println("Nilai C="+C);
         System.out.println(" ");
         A++;
         B=B+5;
         C=C*10;
      }
   }
```

Hasil Run Latihan 4:

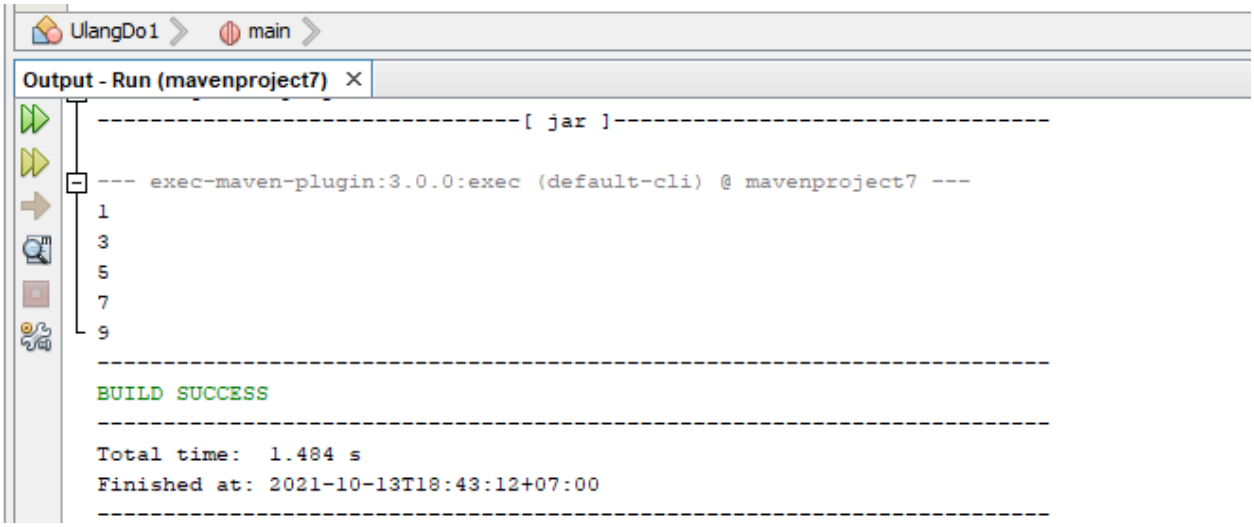
```
--------------------< com.mycompany:mavenproject5 >---------------------
Building mavenproject5 1.0-SNAPSHOT
--------------------------------[ jar ]---------------------------------
--- exec-maven-plugin:3.0.0:exec (default-cli) @ mavenproject5 ---
Nilai A=a
Nilai B=0
Nilai C=1

Nilai A=b
```

```
Nilai B=5
Nilai C=10

Nilai A=c
Nilai B=10
Nilai C=100

Nilai A=d
Nilai B=15
Nilai C=1000

Nilai A=e
Nilai B=20
Nilai C=10000

------------------------------------------------------------------------
BUILD SUCCESS
------------------------------------------------------------------------
Total time:  1.572 s
Finished at: 2021-10-13T18:14:11+07:00
```

Latihan5:

```
public class UlangDo1 {
   public static void main(String[] args) {
      // TODO code application logic here
      int bil;
      bil=1;
      do {
         System.out.println(bil);
         bil+=2;
      }
      while (bil<=10);
   }
}
```

Hasil Run Latihan 5:

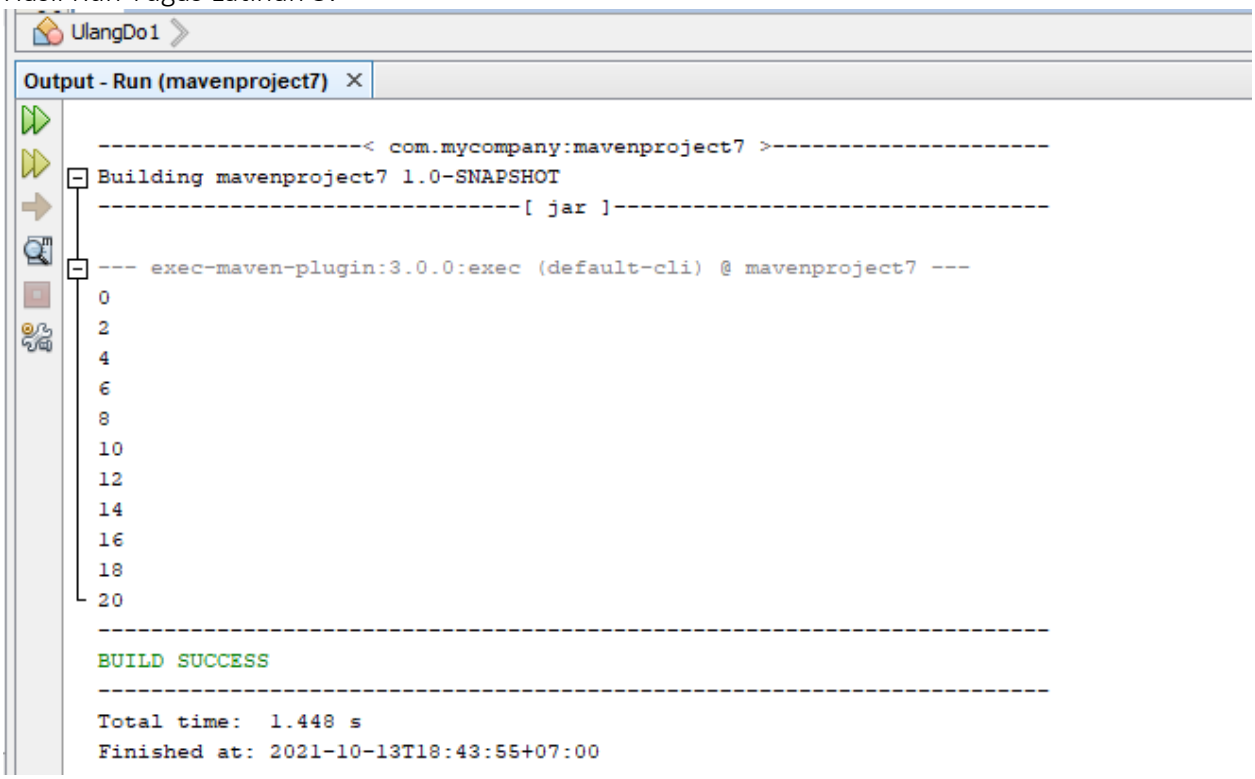


Tugas: Ubah program di atas agar mendapat hasil output yang bilangan genap saja (0, 2, 4, 6, 8, 10,12, 14, 16, 18, 20

Tugas Latihan5:

```
public class UlangDo1 {
   public static void main(String[] args) {
      // TODO code application logic here
      int bil;
      bil=0;
      do {
         System.out.println(bil);
         bil+=2;
      }
      while (bil<=20);
   }
}
```

Hasil Run Tugas Latihan 5:



Latihan 6:

```
   /**
    * @param args the command line arguments
    */

public static void main(String[] args) {
       // TODO code application logic here
       char A='a';
       int B = 0;
       int C = 1;
       do {
          System.out.println("Nilai A="+A);
          System.out.println("Nilai B="+B);
          System.out.println("Nilai C="+C);
          System.out.println(" ");
          A++;
          B=B+5;
          C=C*10;
       } while (A<='e');
   }
}
```

Hasil Run Latihan 6:

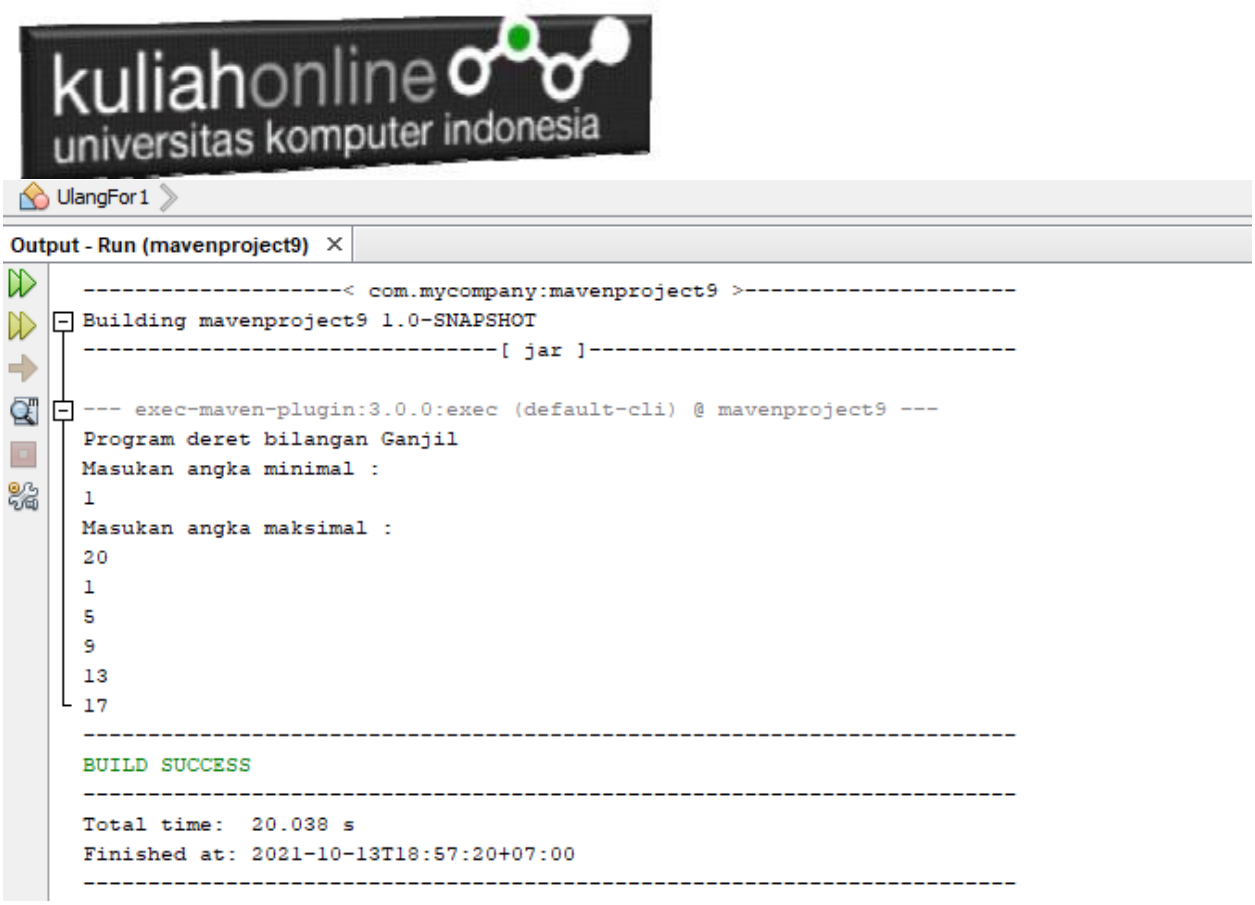
```
--- exec-maven-plugin:3.0.0:exec (default-cli) @ mavenproject8 ---
Nilai A=a
Nilai B=0
Nilai C=1

Nilai A=b
Nilai B=5
Nilai C=10

Nilai A=c
Nilai B=10
Nilai C=100

Nilai A=d
Nilai B=15
Nilai C=1000

Nilai A=e
```

```
Nilai B=20
Nilai C=10000

------------------------------------------------------------------------
BUILD SUCCESS
------------------------------------------------------------------------
Total time:  2.549 s
Finished at: 2021-10-13T18:48:13+07:00
```

Latihan 7:

```
public class UlangFor1 {
   /**
    * @param args the command line arguments
    */
   public static void main(String[] args) {
      // TODO code application logic here
      int maks, min, nilai;
      System.out.println("Program deret bilangan Ganjil");
      Scanner input = new Scanner(System.in);
      System.out.print("Masukan angka minimal : ");
      min = input.nextInt();
      System.out.print("Masukan angka maksimal : ");
      maks = input.nextInt();
      for (nilai=min; nilai<maks;nilai+=4){
         System.out.println("" +nilai);
      }
   }
}
```

Hasil Run Latihan 7:
Program Memasukan Data Dari Keyboard dengan Input
Angka Minimal dan Angka Maksimal;
Kemudian Menampilkan data hasil perulangan dari min sampai maks, dengan penambahan setiap kali perulangan nilai ditambah 4



Tugas : Buatlah program untuk menampilkan bilangan kelipatan 5 antara 125 sampai dengan 200

Tugas Latihan 7

```
import java.util.Scanner;

/**
 *
 * @author
 */
public class UlangFor1 {

    /**
     * @param args the command line arguments
     */
    public static void main(String[] args) {
        // TODO code application logic here
        int maks,min,nilai;
        int maksiAwal = 1;
        System.out.println ("Program Deret Bilangan Ganjil");
        Scanner input = new Scanner (System.in);
        System.out.print("Masukan angka minimal : ");
        min = input.nextInt();
        System.out.print("Masukan angka maksimal : ");
        maks = input.nextInt();

        for(nilai=min; nilai<maks; nilai+=5){
        System.out.println(" "+nilai);
    }
```

```
    }

}
```

```
run:
Program Deret Bilangan Ganjil
Masukan angka minimal : 125
Masukan angka maksimal : 200
 125
 130
 135
 140
 145
 150
 155
 160
 165
 170
 175
 180
 185
 190
 195
BUILD SUCCESSFUL (total time: 5 seconds)
```

Latihan 8

```
public class UlangFor2 {

    /**
     * @param args the command line arguments
     */
    public static void main(String[] args) {
        // TODO code application logic here
        Scanner masuk = new Scanner(System.in);
        int i;
        float n, jum, x, rata;
        System.out.print("Banyaknya data : ");
        n = masuk.nextFloat();

        jum=0;
        for (i=1;i<=n;i++) {
            System.out.print("Data ke-"+i+" : ");
            x=masuk.nextFloat();
            jum += x;
        }
        rata=jum/n;
        System.out.println("Jumlah : "+jum);
        System.out.println("Rata rata : "+rata);
```

```
    }

}
```

Hasil run Latihan 8

```
run:
Banyaknya data : 5
Data ke-1 : 1
Data ke-2 : 2
Data ke-3 : 3
Data ke-4 : 4
Data ke-5 : 5
Jumlah : 15.0
Rata rata : 3.0
BUILD SUCCESSFUL (total time: 10 seconds)
```

Latihan 9

```
public class NestedFor {

    /**
     * @param args the command line arguments
     */
    public static void main(String[] args) {
        // TODO code application logic here
        int b,k;
        for (b=1;b<=3;b=b+1) {
            for (k=1;k<=3;k=k+1)
                System.out.println(b+" ");

        }
          System.out.println("");
    }
}
```

Hasil Run Latihan 9

```
run:
1
1
1
2
2
2
3
3
3

BUILD SUCCESSFUL (total time: 0 seconds)
```

kuliahonline
universitas komputer indonesia

TUGAS KARYAWAN

```
import java.util.Scanner;
/**
 *
 * @author
 */
public class ptdingindamai {

    /**
     * @param args the command line arguments
     */
    public static void main(String[] args) {
        // TODO code application logic here
        System.out.println("Program Hitung Honor Karyawan");
        System.out.println("PT.DINGIN DAMAI");
        System.out.println(" ");

        String NamaKaryawan;
        String Golongan;
        String Pendidikan;
        int Jumlah;
        int
HonorTetap=1000000,TunjanganJabatan=0,TunjanganPendidikan=0;
        int HonorLembur=0,HonorYangDiterima=0;
        Scanner input = new Scanner(System.in);
        System.out.print("Masukan nama karyawan : ");
        NamaKaryawan = input.nextLine();

        System.out.print("Golongan : ");
        Golongan = input.nextLine();

        System.out.print("Pendidikan(SMU/D3/S1) : ");
        Pendidikan = input.nextLine();

        System.out.print("Jumlah Jam Kerja : ");
        Jumlah = input.nextInt();

        System.out.println("Karyawan yang bernama = "+NamaKaryawan);
        System.out.println("Honor yang diterima");
        System.out.println("Honor Tetap = "+HonorTetap);

        if ("A".equals(Golongan)){
            TunjanganJabatan=500000;
        }
         if ("B".equals(Golongan)){
            TunjanganJabatan=600000;
        }
         if ("C".equals(Golongan)){
```

```
            TunjanganJabatan=700000;
          }
       System.out.println("Tunjangan Jabatan = "+TunjanganJabatan);

       if ("SMU".equals(Pendidikan)){
        TunjanganPendidikan=100000;
         }
       if ("D3".equals(Pendidikan)){
        TunjanganPendidikan=200000;
         }
       if ("S1".equals(Pendidikan)){
        TunjanganPendidikan=300000;
         }
       System.out.println("Tunjangan Pendidikan =
"+TunjanganPendidikan);
       if (Jumlah>=8){
       HonorLembur=(Jumlah-8)*50000;
       }
      System.out.println("Honor Lembur = "+HonorLembur);


HonorYangDiterima=HonorTetap+TunjanganPendidikan+TunjanganJabatan+Ho
norLembur;
         System.out.println("Honor Yang Diterima =
"+HonorYangDiterima);
}
}
```

HASIL RUN

```
Program Hitung Honor Karyawan
PT.DINGIN DAMAI

Masukan nama karyawan : Adit
Golongan : C
Pendidikan(SMU/D3/S1) : S1
Jumlah Jam Kerja : 10
Karyawan yang bernama = Adit
Honor yang diterima
Honor Tetap = 1000000
Tunjangan Jabatan = 700000
Tunjangan Pendidikan = 300000
Honor Lembur = 100000
Honor Yang Diterima = 2100000
BUILD SUCCESSFUL (total time: 15 seconds)
```

kuliahonline
universitas komputer indonesia

DAFTAR PUSTAKA

1. Suryana, Taryana (2021) *Menggunakan Array Dalam Java.* [Teaching Resource]
2. Suryana, Taryana (2021*) Pembuatan Fungsi Dalam Bahasa Pemrograman Dart*. [Teaching Resource]
3. Suryana, Taryana (2021*) Kelas Dan Objek Dalam Pemrograman Dart*. [Teaching Resource]
4. Suryana, Taryana (2021*) Fungsi Logika Atau Percabangan Dalam Dart*. [Teaching Resource]
5. Suryana, Taryana (2021) Belajar Bahasa Pemrograman Dart. [Teaching Resource]
6. Suryana, Taryana (2021) Input Dan Output Dalam Dart. [Teaching Resource]
7. Suryana, Taryana (2021) Variabel Dan Tipe Data Dalam Dart. [Teaching Resource]
8. Suryana, Taryana (2021) Operator Dalam Bahasa Pemrograman Dart. [Teaching Resource]
9. Suryana, Taryana (2021) List Dan Map Dalam Pemrograman Dart. [Teaching Resource]
10. Suryana, Taryana (2021) Perulangan Dalam Pemrograman Dart. [Teaching Resource]
11. Suryana, Taryana; Koesheryatin (2014),*Aplikasi Internet Menggunakan HTML, CSS & Java Script, Elexmedia Komputindo, Jakarta*
12. Suryana, Taryana (2021) *Bab 1. Pengenalan Html.* [Teaching Resource]
13. Suryana, Taryana (2021) *Pelatihan Pembuatan Website Dengan Menggunakan Html Dan Dreamweaver.* [Teaching Resource]
14. Suryana, Taryana (2010) *Membuat Web Pribadi dan Bisnis dengan HTML., Gava Media, Jogyakarta*
15. Suryana, Taryana (2021) *Membuat Form Input Dan Output Java Menggunakan Netbeans.* [Teaching Resource]
16. *https://www.petanikode.com/java-input-output/*
17. https://www.w3schools.com/java