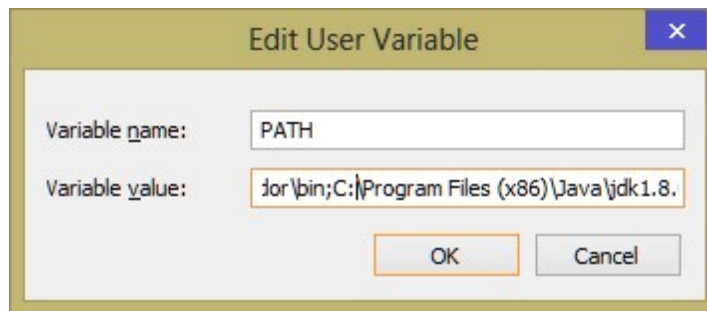


# PRAKTIKUM #1

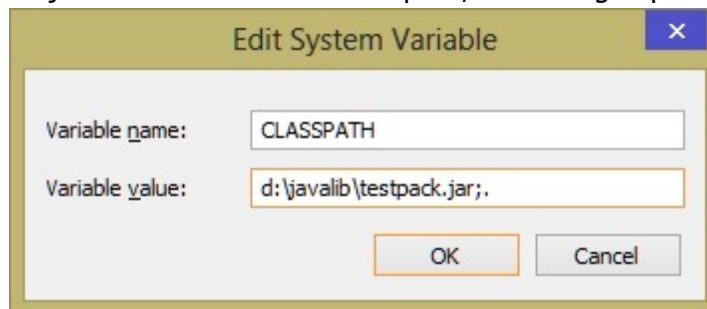
Setting PATH :

Jika menggunakan JDK, harus ada 2 environment variable yang di set:

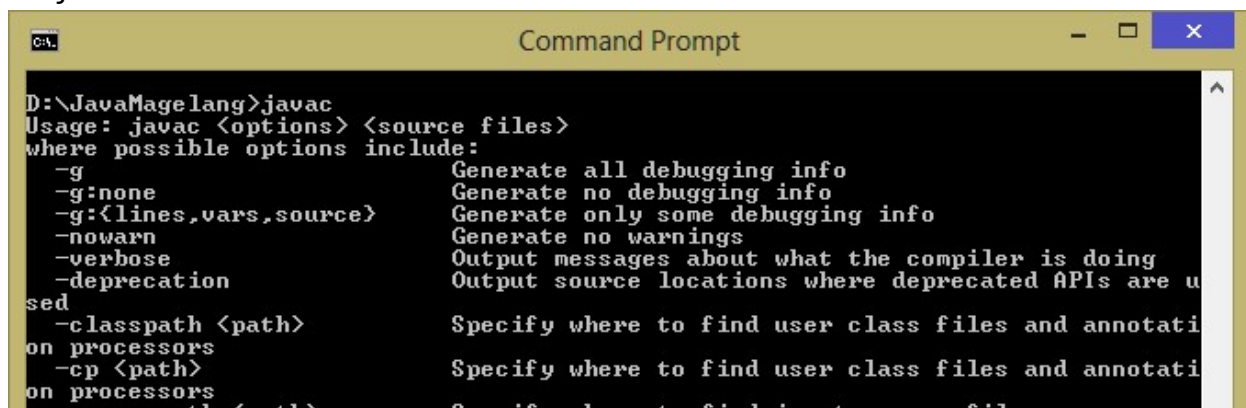
1. PATH : diarahkan ke lokasi instalasi folder bin JDK. Tujuannya agar java compiler bisa dijalankan dari mana saja.
  - a. Cari folder bin dari jdk yg telah diinstall, copy address "C:\Program Files\Java\jdk1.8.0\_111\bin"
  - b. Control Panel, All CP, System, pilih Advance System Settings, pilih button Environment Variable, pada System Variable isi Variable Path dengan value address di atas.



2. CLASSPATH : diarahkan ke current directory (.). Tujuannya agar bisa menjalankan hasil coding dari mana saja. Jika belum ada variabel path, buat dengan pilih New.

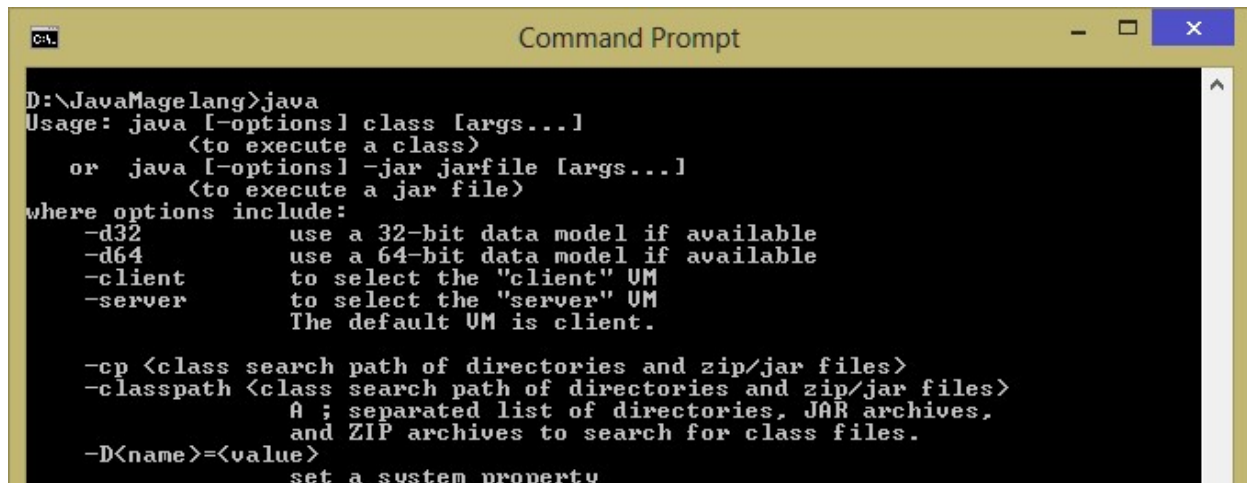


Tes javac



```
D:\JavaMagelang>javac
Usage: javac <options> <source files>
where possible options include:
  -g               Generate all debugging info
  -g:none          Generate no debugging info
  -g:<lines,vars,source> Generate only some debugging info
  -nowarn          Generate no warnings
  -verbose         Output messages about what the compiler is doing
  -deprecation     Output source locations where deprecated APIs are used
  -classpath <path> Specify where to find user class files and annotations
  -cp <path>       Specify where to find user class files and annotations
  -sourcepath <path> Specify where to find input source files
```

Tes java

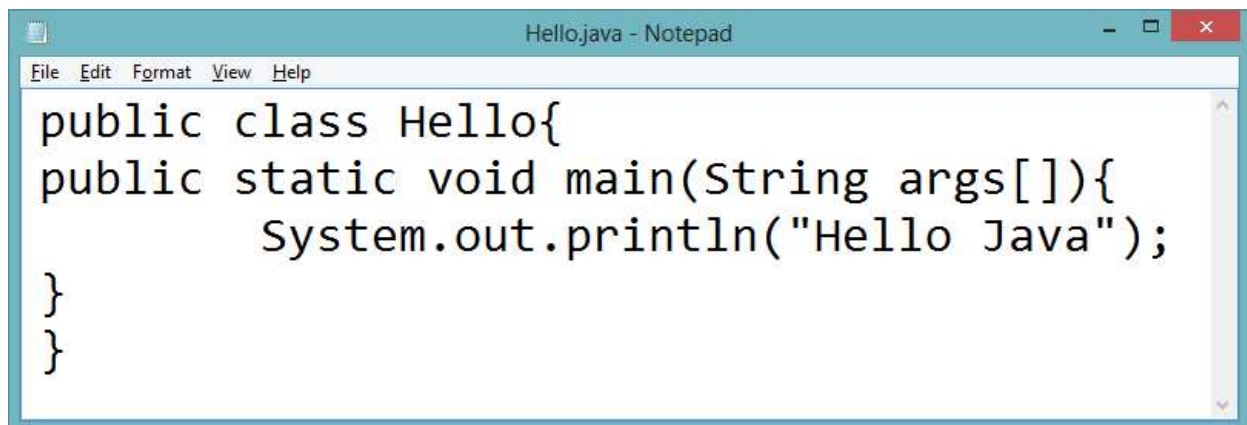


```
Command Prompt

D:\JavaMagelang>java
Usage: java [-options] class [args...]
           (to execute a class)
or  java [-options] -jar jarfile [args...]
           (to execute a jar file)
where options include:
    -d32          use a 32-bit data model if available
    -d64          use a 64-bit data model if available
    -client       to select the "client" VM
    -server       to select the "server" VM
                  The default VM is client.

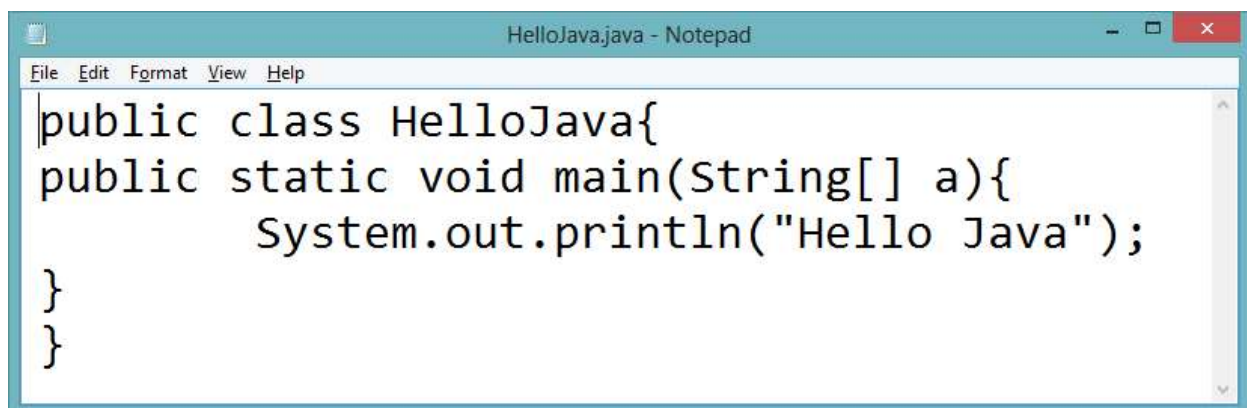
    -cp <class search path of directories and zip/jar files>
    -classpath <class search path of directories and zip/jar files>
                  A ; separated list of directories, JAR archives,
                  and ZIP archives to search for class files.
    -D<name>=<value>
                  set a system property
```

Ketik kode berikut :



```
Hello.java - Notepad
File Edit Format View Help

public class Hello{
public static void main(String args[]){
    System.out.println("Hello Java");
}
}
```



```
HelloJava.java - Notepad
File Edit Format View Help

public class HelloJava{
public static void main(String[] a){
    System.out.println("Hello Java");
}
}
```

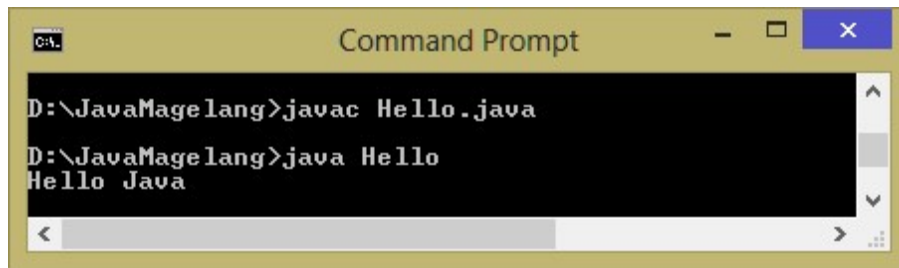
Lakukan compile :

D:\JavaMagelang>javac Hello.java

Jalankan program :

D:\JavaMagelang>java Hello

Hello Java



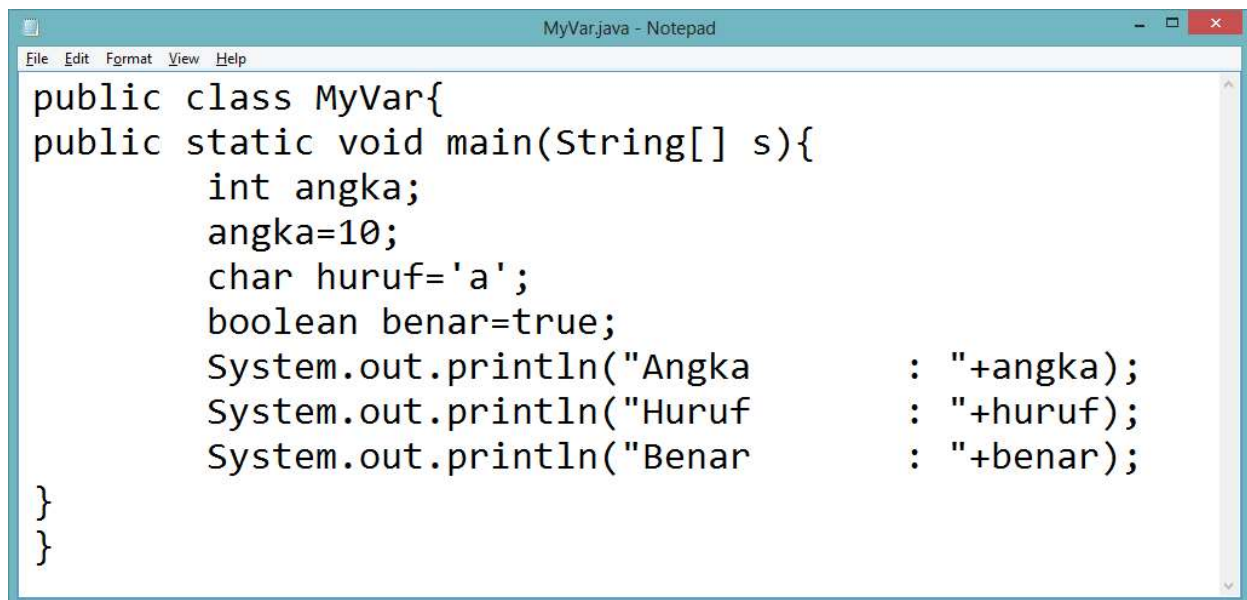
```
Command Prompt
D:\JavaMagelang>javac Hello.java
D:\JavaMagelang>java Hello
Hello Java
```

### Tugas 1 :

Buat program sederhana untuk menampilkan data pribadi anda yang meliputi :

Nim : xxxxxx  
Nama : xxxxxx  
Alamat : xxxxxx  
Kota : xxxxx  
Kode Pos : xxxxx  
Telp. : xxxxx  
Hp : xxxxx  
Email : xxxxx

Latihan dengan atribut :



```
MyVar.java - Notepad
File Edit Format View Help
public class MyVar{
public static void main(String[] s){
    int angka;
    angka=10;
    char huruf='a';
    boolean benar=true;
    System.out.println("Angka : "+angka);
    System.out.println("Huruf : "+huruf);
    System.out.println("Benar : "+benar);
}
}
```

```
MyVarFloat.java - Notepad
File Edit Format View Help
public class MyVarFloat{
public static void main(String[] s){
    float phi=3.14f;
    // default pecahan double jika dbuat float diberi suffix f
    int r=10;
    float luas=phi*(r*r);
    System.out.println("Phi : "+phi);
    System.out.println("Jari      : "+r);
    System.out.println("Luas      : "+luas);
}
}
```

## Tugas 2 :

Buat program menghitung luas dan keliling :

1. Persegi
2. Segitiga
3. Lingkaran
4. Kubus