

Contoh Praktikum Algoritma dan Pemrograman



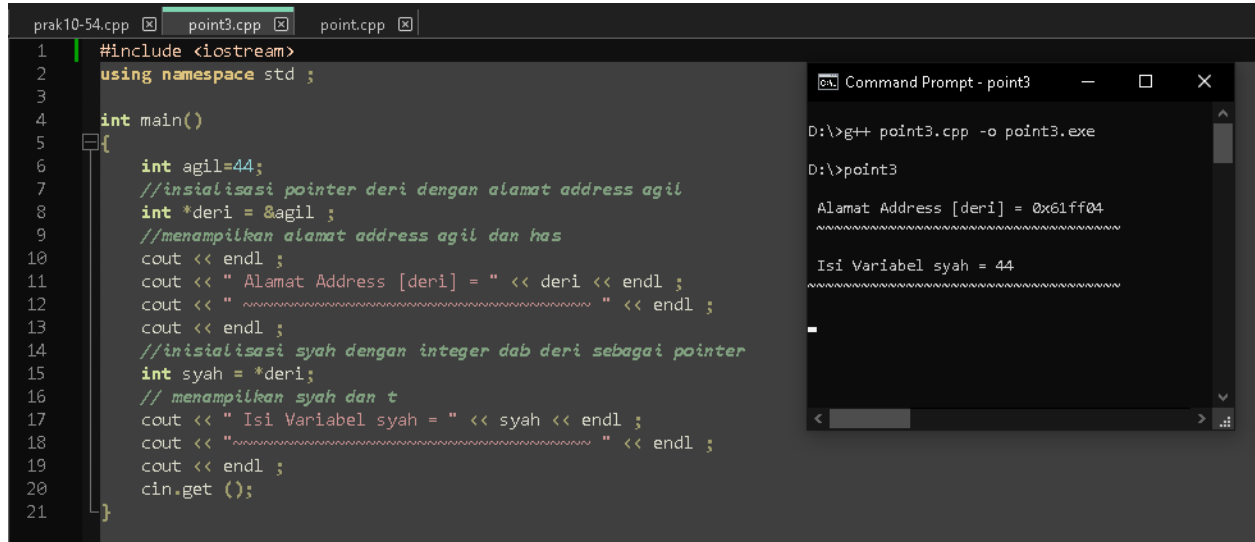
Nama : Agil Deriansyah Hasan
Nim : 4522210125

Dosen:

Dra.SRI REZEKI CANDRA NURSARI,M.Kom
Prak. Algoritma dan Pemrograman - B

**S1-Teknik Informatika
Fakultas Teknik
Universitas Pancasila 2023/2024**

Point3



```
prakt10-54.cpp point3.cpp point.cpp
1 #include <iostream>
2 using namespace std;
3
4 int main()
5 {
6     int agil=44;
7     //inisialisasi pointer deri dengan alamat address agil
8     int *deri = &agil;
9     //menampilkan alamat address agil dan has
10    cout << endl;
11    cout << " Alamat Address [deri] = " << deri << endl;
12    cout << " ~~~~~~ " << endl;
13    cout << endl;
14    //inisialisasi syah dengan integer dab deri sebagai pointer
15    int syah = *deri;
16    // menampilkan syah dan t
17    cout << " Isi Variabel syah = " << syah << endl;
18    cout << " ~~~~~~ " << endl;
19    cout << endl;
20    cin.get ();
21 }
```

```
Command Prompt - point3
D:\>g++ point3.cpp -o point3.exe
D:\>point3
Alamat Address [deri] = 0x61ff04
~~~~~
Isi Variabel syah = 44
~~~~~
```

Pseudocode

Kamus/Deklarasi Variabel

Agil,syah,*deri : int

Algoritma/Deskripsi

Agil=44

*deri = &agil

Print(deri)

Syah = *deri

Print(syah)

Algoritma/Bahasa Alami :

Agil <- 44

*deri = &agil

Mencetak Nilai deri

Syah <- *deri

Mencetak nilai syah

Selesai

Point

The image shows a C++ program in Notepad++ and its execution in Command Prompt. The program defines two pointers, `deri` and `syah`, and prints their addresses and the address of the variable `syah` using `&deri` and `&syah`.

```
#include <iostream>
using namespace std;

int main()
{
    int agil,*deri,**syah;
    agil = 44;
    //inisialisasi pointer deri dengan alamat address agil
    deri = &agil;
    //inisialisasi pointer syah dengan isi variabel dalam hexa
    syah = &deri;
    //menampilkan isi variabel, address dan isi variabel dalam hexa agil
    cout << endl;
    cout << " Isi Variabel [agil - *deri - **syah] = " << agil << " - " << *deri << " - " << *syah << endl;
    cout << "....." << endl;
    cout << endl;
    cout << " Isi Variabel [&agil - &deri - &syah] = " << &agil << " - " << &deri << " - " << &syah << endl;
    cout << "....." << endl;
    cout << endl;
    cout << " Isi Variabel Hexa [agil - deri - syah] = " << agil << " - " << deri << " - " << syah << endl;
    cout << "....." << endl;
    cout << endl;
    cin.get();
}
```

The Command Prompt shows the output of the program:

```
D:\>g++ point.cpp -o point.exe
D:\>point

Isi Variabel [agil - *deri - **syah] = 44 - 0x61fec
.....

Isi Variabel [&agil - &deri - &syah] = 0x61fec - 0x61fef8 - 0x61fef4
.....

Isi Variabel Hexa [agil - deri - syah] = 44 - 0x61fec - 0x61fef8
.....
```

Pseudocode

Kamus/Deklarasi Variabel

```
Agil,*deri, *syah= int
```

Algoritma/Deskripsi

Agil = 44

Deri = &agil

Syah = &deri

```
Print(agil,*deri,*syah)
```

```
Print(&agil,&deri,&syah)
```

```
Print(agil,deri,syah)
```

end

Algoritma/Bahasa Alami

```
Agil <- 44
```

Deri = &agil

Syah = &deri

Mencetak/Menampilkan nilai agil,*deri,*syah

Mencetak/Menampilkan nilai &agil,&deri,&syah

Mencetak/Menampilkan nilai agil,deri,syah

Selesai