

Tugas Praktikum Algoritma dan Pemrograman



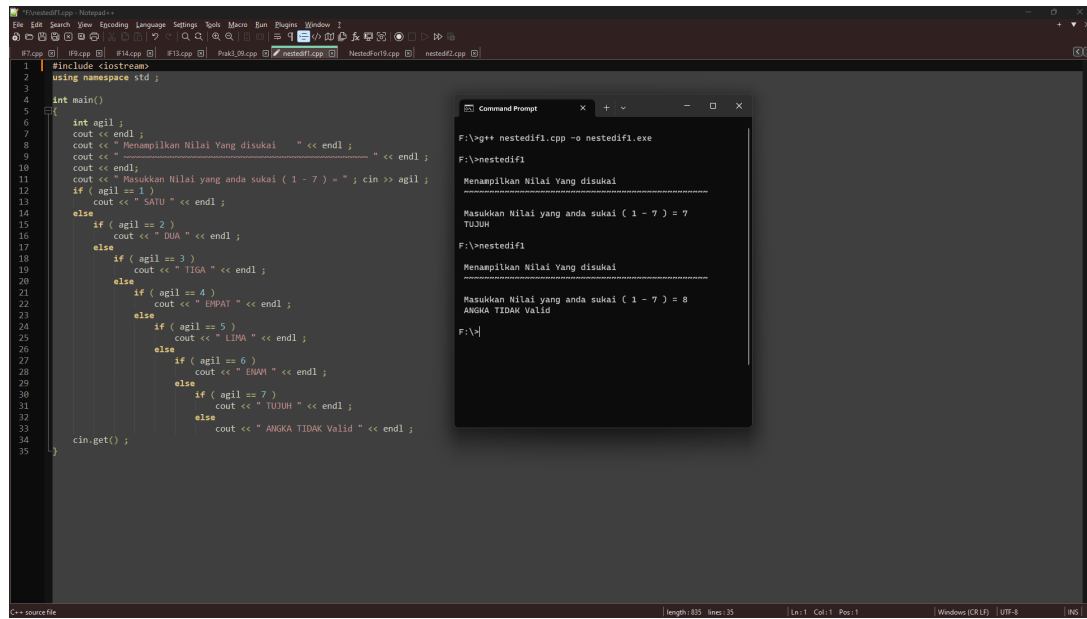
Nama : Agil Deriansyah Hasan
Nim : 4522210125

Dosen:

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

**S1-Teknik Informatika
Fakultas Teknik
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nestedif1



The image shows a C++ IDE with a source file named `nestedif1.cpp` and a Command Prompt window displaying the program's output.

```
1 #include <iostream>
2 using namespace std;
3
4 int main()
5 {
6     int agil;
7     cout << endl;
8     cout << " Menampilkan Nilai Yang disukai " << endl;
9     cout << "-----" << endl;
10    cout << endl;
11    cout << " Masukkan Nilai yang anda sukai ( 1 - 7 ) = " ; cin >> agil;
12    if ( agil == 1 )
13        cout << " SATU " << endl;
14    else
15        if ( agil == 2 )
16            cout << " DUA " << endl;
17        else
18            if ( agil == 3 )
19                cout << " TIGA " << endl;
20            else
21                if ( agil == 4 )
22                    cout << " EMPAT " << endl;
23                else
24                    if ( agil == 5 )
25                        cout << " LIMA " << endl;
26                    else
27                        if ( agil == 6 )
28                            cout << " ENAM " << endl;
29                        else
30                            if ( agil == 7 )
31                                cout << " TUJUH " << endl;
32                            else
33                                cout << " ANGKA TIDAK Valid " << endl;
34    cin.get();
35 }
```

The Command Prompt window shows the execution of `g++ nestedif1.cpp -o nestedif1.exe` and the output of the program:

```
F:\>g++ nestedif1.cpp -o nestedif1.exe
F:\>nestedif1
Menampilkan Nilai Yang disukai
-----
Masukkan Nilai yang anda sukai ( 1 - 7 ) = 7
TUJUH
F:\>nestedif1
Menampilkan Nilai Yang disukai
-----
Masukkan Nilai yang anda sukai ( 1 - 7 ) = 8
ANGKA TIDAK Valid
F:\>
```

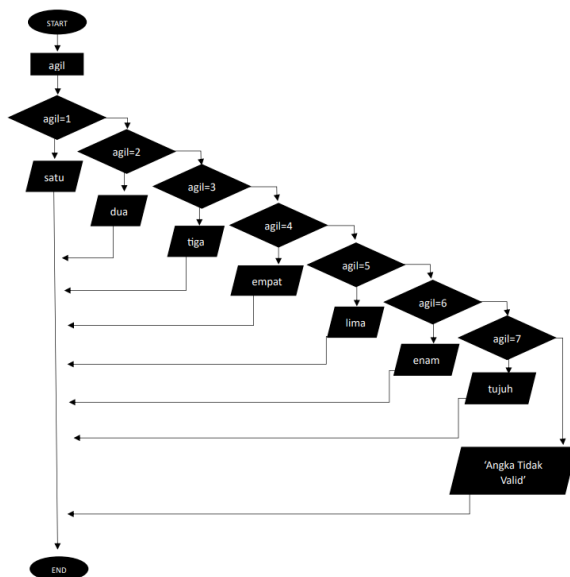
The IDE status bar at the bottom indicates the file is `nestedif1.cpp`, with a length of 835 lines, 35 columns, and 1 line. The editor is in Windows (CR LF) encoding, UTF-8 character set, and line 1, column 1, position 1.

Pseudocode
Program Memasukkan Angka dari 1 s.d. 7
Kamus

agil : Int

Deskripsi

```
input (agil)
  if (agil == 1) then
    print("SATU")
  else
    if (agil == 2) then
      print("DUA")
    else
      if (agil == 3) then
        print("TIGA")
      else
        if (agil == 4) then
          print("EMPAT")
        else
          if (agil == 5) then
            print("LIMA")
          else
            if (agil == 6) then
              print("ENAM")
            else
              if (agil == 7) then
                print("TUJUH")
              else
                print('ANGKA TIDAK VALID')
              endif
            endif
          endif
        endif
      endif
    endif
  endif
endif
```



nestedif2

```

1 #include <iostream>
2 using namespace std;
3
4 int main ()
5 {
6     int agil;
7     cout << endl;
8     cout << " Menampilkan Angka 1 s.d 7 " << endl;
9     cout << " " << endl;
10    cout << endl;
11    cout << " Masukkan Nilai yang anda sukai ( 1/2/3/4/5/6/7 ) = " ; cin >> agil;
12    switch (agil)
13    {
14        case 1 : cout << " SATU " << endl; break;
15        case 2 : cout << " DUA " << endl; break;
16        case 3 : cout << " TIGA " << endl; break;
17        case 4 : cout << " EMPAT " << endl; break;
18        case 5 : cout << " LIMA " << endl; break;
19        case 6 : cout << " ENAM " << endl; break;
20        case 7 : cout << " TUJUH " << endl; break;
21        default : cout << " Hari Tidak Valid " << endl;
22    }
23    cin.get();
24 }

```

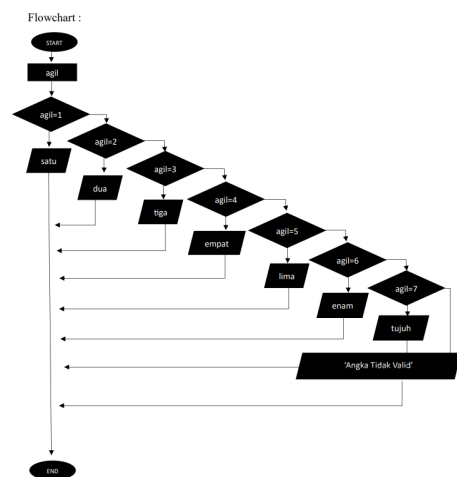
```

F:\>g++ nestedif2.cpp -o nestedif2.exe
F:\>nestedif2

Menampilkan Angka 1 s.d 7

Masukkan Nilai yang anda sukai ( 1/2/3/4/5/6/7 ) = 4
EMPAT
F:\>

```



Kamus/Deklarasi Variabel

agil : Int

Deskripsi

input(agil)

switch(agil)

case 1: print('SATU')	; break;
case 2: print ('DUA')	; break;
case 3: print ('TIGA')	; break;
case 4: print ('EMPAT')	; break;
case 5: print ('LIMA')	; break;
case 6: print ('ENAM')	; break;
case 7: print ('TUJUH')	; break;
default: print ('ANGKA TIDAK VALID')	