

TUGAS – 3

Nama : Muchamad Rofii

NPM : 242310030

Kelas : TI-24-PA

Matkul : Algoritma Pemrograman Struktur Data

If Else/Else If :

```
1 #include <iostream>
2 using namespace std;
3
4 int main()
5 {
6     Nama Siswa : rofi
7     Nilai Pertandingan 1 = 90
8     Nilai Pertandingan 2 = 90
9     Nilai Pertandingan 3 = 90
10
11     string namaSiswa yang bernama rofi
12     Mendapatkan nilai rata-rata 90 dari hasil perlombaan diikutinya
13     cout<< "Praka mendapat hadiah komputer core i5
14     cout<< "Nilai rata-rata pertandingan adalah : 90
15     cin>> nilai1
16     cout<< "Nilai Pertandingan 1 : " << nilai1 << endl;
17     cin>> nilai2
18     cout<< "Nilai Pertandingan 2 : " << nilai2 << endl;
19     cin>> nilai3
20     cout<< "Nilai Pertandingan 3 : " << nilai3 << endl;
21
22     double total = nilai1 + nilai2 + nilai3;
23     double rataRata = total / 3;
24
25     if (rataRata > 80)
26     {
27         cout<< "Anda mendapatkan hadiah komputer core i5
28     }
29     else if (rataRata > 70)
30     {
31         cout<< "Anda mendapatkan hadiah laptop
32     }
33     else
34     {
35         cout<< "Anda tidak mendapatkan hadiah
36     }
37
38     return 0;
39 }
```

Process exited after 22.53 seconds with return value 0
Press any key to continue . . .

Compiler Resources Compile Log
- Warnings: 0
- Output Filename: C:\Users\User\Documents\algo\Tugas\Pertemuan 4 - Muchamad Rofii (if).exe
- Output Size: 1,8 KB
- Compilation Time: 0,70s

```

1  #include <iostream>
2  using namespace std;
3
4  int main()
5  {
6
7      int nilai_a, nilai_b, nilai_c;
8      |
9      string nama_siswa;
10
11     cout<< "Program Penghitung Nilai Rata-Rata Menggunakan If Else" <<endl;
12     cout<< "Nama Siswa : ";
13     getline(cin,nama_siswa);
14     cout<< "Nilai Pertandingan 1 = ";
15     cin>> nilai_a;
16     cout<< "Nilai Pertandingan 2 = ";
17     cin>> nilai_b;
18     cout<< "Nilai Pertandingan 3 = ";
19     cin>> nilai_c;
20
21     double total = (nilai_a + nilai_b + nilai_c)/3;
22     cout<< "siswa yang bernama "<<nama_siswa<<endl;
23     cout<< "Memperoleh nilai rata-rata "<<total<< " dari hasil perlombaan diikutinya "<<endl;
24
25     if (total>=85)
26     {
27         cout<<"maka mendapat hadiah komputer core i5";
28     }
29     else if (total>=70)

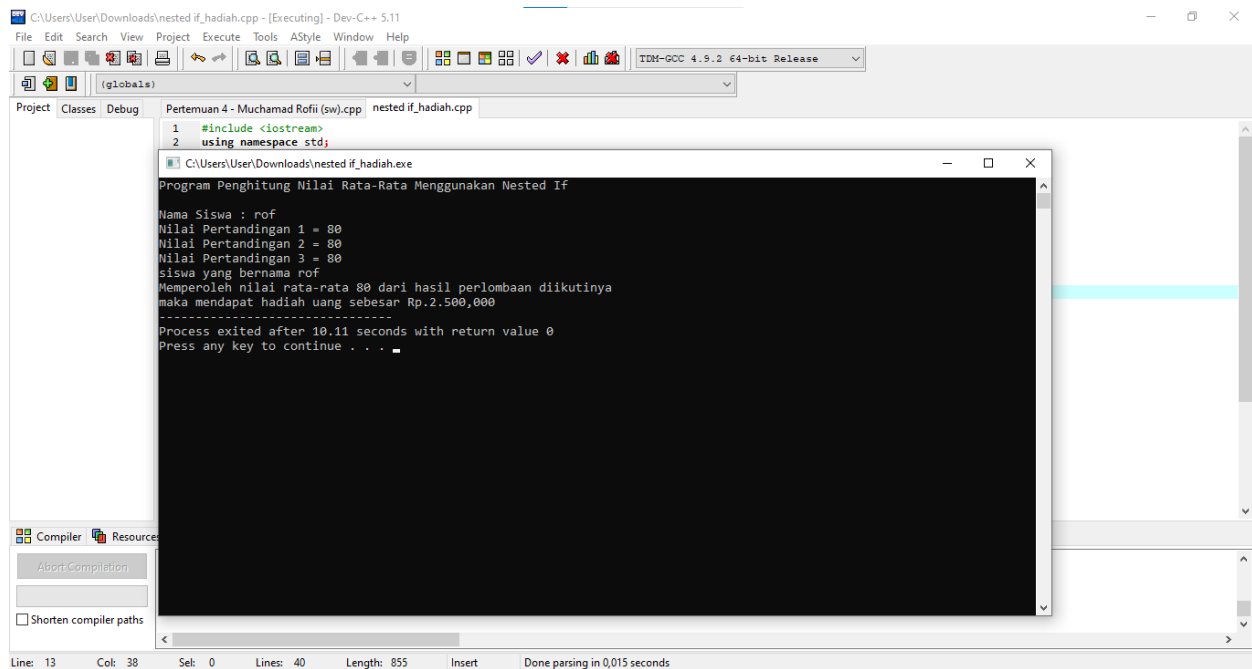
```

```

25     if (total>=85)
26     {
27         cout<<"maka mendapat hadiah komputer core i5";
28     }
29     else if (total>=70)
30     {
31         cout<<"maka mendapat hadiah uang sebesar Rp2.5000,000";
32     }
33     else
34     {
35         cout<<"maka mendapat hadiah hiburan";
36     }
37     getchar ();
38 }

```

Nested If :



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

Program Penghitung Nilai Rata-Rata Menggunakan Nested If

Nama Siswa : rof
Nilai Pertandingan 1 = 80
Nilai Pertandingan 2 = 80
Nilai Pertandingan 3 = 80
siswa yang bernama rof
Memperoleh nilai rata-rata 80 dari hasil perlombaan diikutinya
maka mendapat hadiah uang sebesar Rp.2.500,000
Process exited after 10.11 seconds with return value 0
Press any key to continue . . .
```

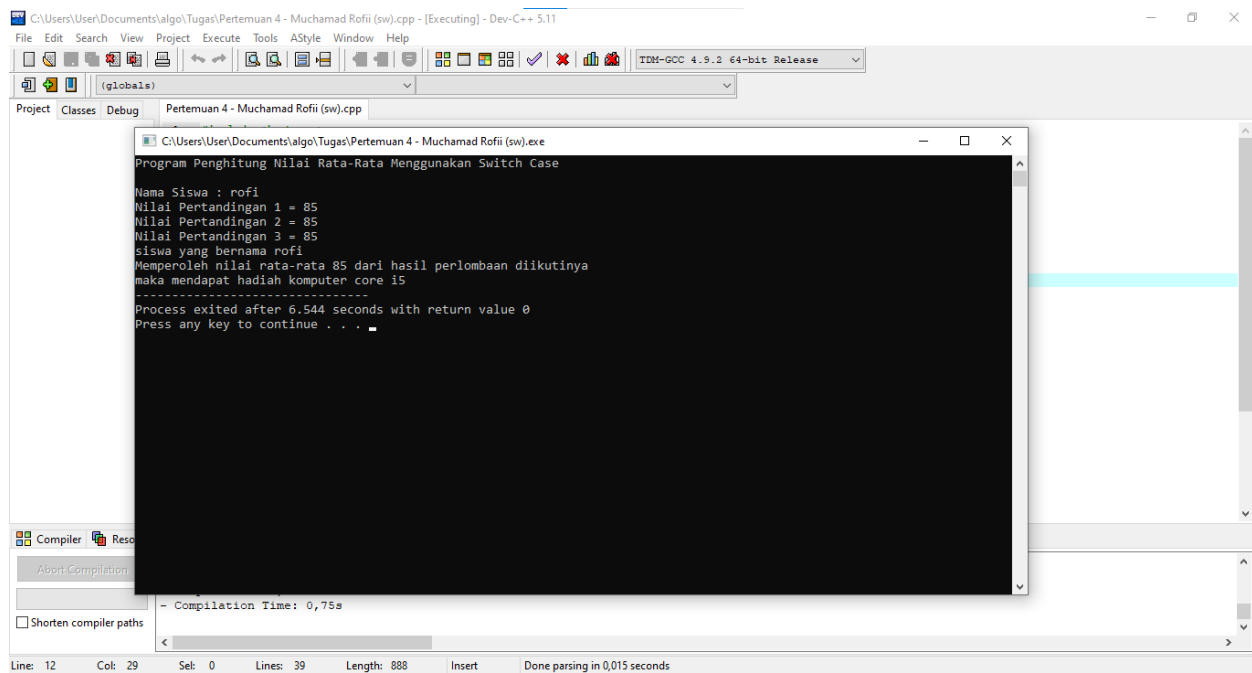
```
Pertemuan 4 - Muchamad Rofii (sw).cpp  nested if_hadiah.cpp

1  #include <iostream>
2  using namespace std;
3
4  int main()
5  {
6      int nilai_a, nilai_b, nilai_c, rata;
7
8      string nama_siswa;
9
10     cout<< "Program Penghitung Nilai Rata-Rata Menggunakan Nested If"<<endl;
11     cout<< "\nNama Siswa : ";
12     getline(cin,nama_siswa);
13     cout<< "Nilai Pertandingan 1 = ";
14     cin>> nilai_a;
15     cout<< "Nilai Pertandingan 2 = ";
16     cin>> nilai_b;
17     cout<< "Nilai Pertandingan 3 = ";
18     cin>> nilai_c;
19
20     rata = (nilai_a + nilai_b + nilai_c)/3;
21     cout<< "siswa yang bernama "<<nama_siswa<<endl;
22     cout<< "Memperoleh nilai rata-rata "<<rata<< " dari hasil perlombaan diikutinya "<<endl;
23
24     if (rata<70)
25     {
26         cout<<"maka mendapat hadiah hiburan";
27     }
28     else
29     {
```

```
28  
29  
30  
31  
32  
33  
34  
35  
36  
37  
38  
39  
40
```

```
else  
{  
    if (rata>=85)  
    {  
        cout<<"maka mendapat hadiah komputer intel core i5";  
    }  
    else  
    {  
        cout<<"maka mendapat hadiah uang sebesar Rp.2.500,000";  
    }  
}  
getchar ();  
}
```

Switch Case :



```
C:\Users\User\Documents\algo\Tugas\Pertemuan 4 - Muchamad Rofii (sw).cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
(globals)
Project Classes Debug Pertemuan 4 - Muchamad Rofii (sw).cpp

C:\Users\User\Documents\algo\Tugas\Pertemuan 4 - Muchamad Rofii (sw).exe
Program Penghitung Nilai Rata-Rata Menggunakan Switch Case

Nama Siswa : rofi
Nilai Pertandingan 1 = 85
Nilai Pertandingan 2 = 85
Nilai Pertandingan 3 = 85
siswa yang bernama rofi
Memperoleh nilai rata-rata 85 dari hasil perlombaan diikutinya
maka mendapat hadiah komputer core i5
-----
Process exited after 6.544 seconds with return value 0
Press any key to continue . . .

Compiler Res
Abort Compilation
Shorten compiler paths
- Compilation Time: 0,75s
Line: 12 Col: 29 Sel: 0 Lines: 39 Length: 888 Insert Done parsing in 0,015 seconds
```

Pertemuan 4 - Muchamad Rofii (sw).cpp

```
1  #include <iostream>
2  using namespace std;
3
4  int main()
5  {
6      string nama_siswa;
7
8      int nilai_a, nilai_b, nilai_c;
9
10     cout<< "Program Penghitung Nilai Rata-Rata Menggunakan Switch Case" <<endl;
11     cout<< "\nNama Siswa : ";
12     getline(cin,nama_siswa);
13     cout<< "Nilai Pertandingan 1 = ";
14     cin>> nilai_a;
15     cout<< "Nilai Pertandingan 2 = ";
16     cin>> nilai_b;
17     cout<< "Nilai Pertandingan 3 = ";
18     cin>> nilai_c;
19
20     int total = (nilai_a + nilai_b + nilai_c)/3;
21     cout<< "siswa yang bernama "<<nama_siswa<<endl;
22     cout<< "Memperoleh nilai rata-rata "<<total<< " dari hasil perlombaan diikutinya "<<endl;
23
24     switch(total)
25     {
26     case 85 ... 100:
27         cout<<"maka mendapat hadiah komputer core i5";
28         break;
29     }
```

```

switch(total)
{
    case 85 ... 100:
        cout<<"maka mendapat hadiah komputer core i5";
        break;

    case 70 ... 84:
        cout<<"maka mendapat hadiah uang sebesar Rp2.500.000";
        break;

    default:
        cout<<"maka mendapat hadiah hiburan";
        break;
}
getchar ();
}

```

C:\Users\User\Documents\algo\Tugas\Pertemuan 4 - Muchamad Rofii (sw).cpp - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

(globals)

Project Classes Debug

```

1 #include <iostream>
2 using namespace std;
3
4 int main()
5 {
6     string nama_siswa;
7
8     int nilai_a, nilai_b, nilai_c;
9
10    cout<< "Program Penghitung Nilai Rata-Rata Menggunakan Switch Case" <<endl;
11    cout<< "\nNama Siswa : ";
12    getline(cin,nama_siswa);
13    cout<< "Nilai Pertandingan 1 = ";
14    cin>> nilai_a;
15    cout<< "Nilai Pertandingan 2 = ";
16    cin>> nilai_b;
17    cout<< "Nilai Pertandingan 3 = ";
18    cin>> nilai_c;
19
20    int total = (nilai_a + nilai_b + nilai_c)/3;
21    cout<< "siswa yang bernama "<<nama_siswa<<endl;
22    cout<< "Memperoleh nilai rata-rata "<<total<<" dari hasil perlombaan diikutinya "<<endl;
23
24    switch(total)
25    {
26        case 85 ... 100:
27            cout<<"maka mendapat hadiah komputer core i5";
28            break;
29

```

Compiler Resources Compile Log Debug Find Results Close

Warnings: 0

- Output Filename: C:\Users\User\Documents\algo\Tugas\Pertemuan 4 - Muchamad Rofii (sw).exe
- Output Size: 1,83330154418945 MiB
- Compilation Time: 0,75s

Shorten compiler paths

Line: 20 Col: 49 Sel: 0 Lines: 39 Length: 888 Insert Done parsing in 0,015 seconds

06:08:07

05 October 2024

October 2024

Su	Mo	Tu	We	Th	Fr	Sa
29	30	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	1	2
3	4	5	6	7	8	9

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