

Naufal Ammar Hidayatulloh

2010631170104

2E

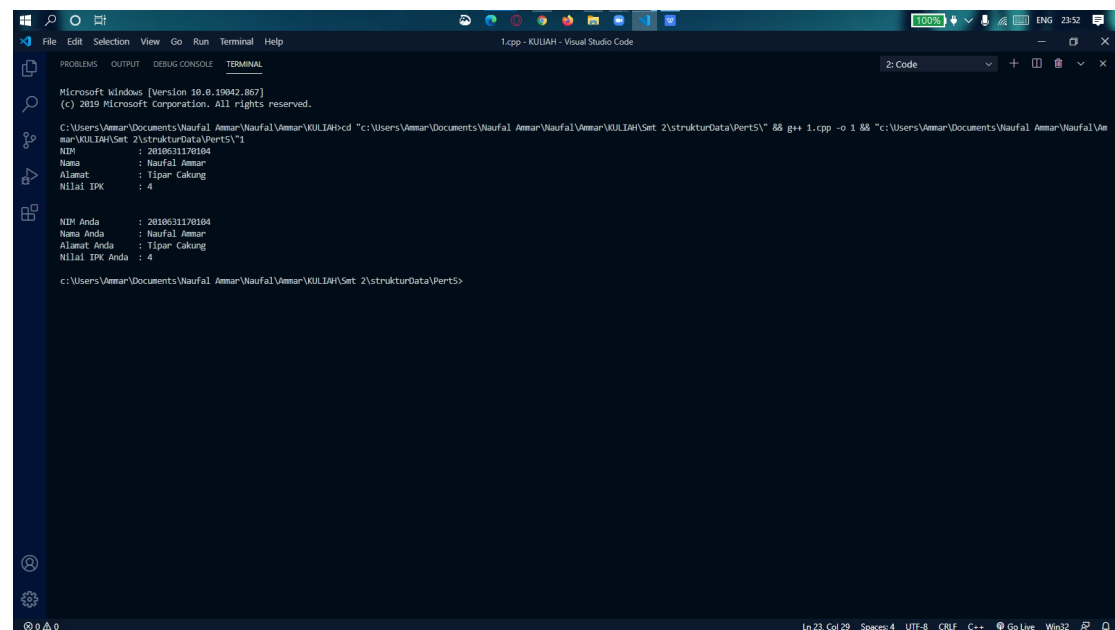
Contoh Modul

```
#include <iostream>

using namespace std;

int main()
{
    struct mahasiswa
    {
        char nim[15];
        char nama[30];
        char alamat[50];
        float ipk;
    };
    mahasiswa mhs;
    cout << "NIM\t\t: ";
    cin.getline(mhs.nim, 15);
    cout << "Nama\t\t: ";
    cin.getline(mhs.nama, 30);
    cout << "Alamat\t\t: ";
    cin.getline(mhs.alamat, 50);
    cout << "Nilai IPK\t: ";
    cin >> mhs.ipk;
    cout << endl
        << endl;

    cout << "NIM Anda\t: " << mhs.nim << endl;
    cout << "Nama Anda\t: " << mhs.nama << endl;
    cout << "Alamat Anda\t: " << mhs.alamat << endl;
    cout << "Nilai IPK Anda\t: " << mhs.ipk << endl;
}
```



```
Microsoft Windows [Version 10.0.19042.867]
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C:\Users\Vemmar\Documents\Naufal_Ammar\Naufal\Naufal\KULIAH\Set 2\strukturData\Pert5> g++ 1.cpp -o 1 && "c:\Users\Vemmar\Documents\Naufal_Ammar\Naufal\Naufal\KULIAH\Set 2\strukturData\Pert5\1"
NIM : 2010631170104
Nama : Naufal Ammar
Alamat : Tipar Cakung
Nilai IPK : 4

NIM Anda : 2010631170104
Nama Anda : Naufal Ammar
Alamat Anda : Tipar Cakung
Nilai IPK Anda : 4

c:\Users\Vemmar\Documents\Naufal_Ammar\Naufal\Naufal\KULIAH\Set 2\strukturData\Pert5>
```

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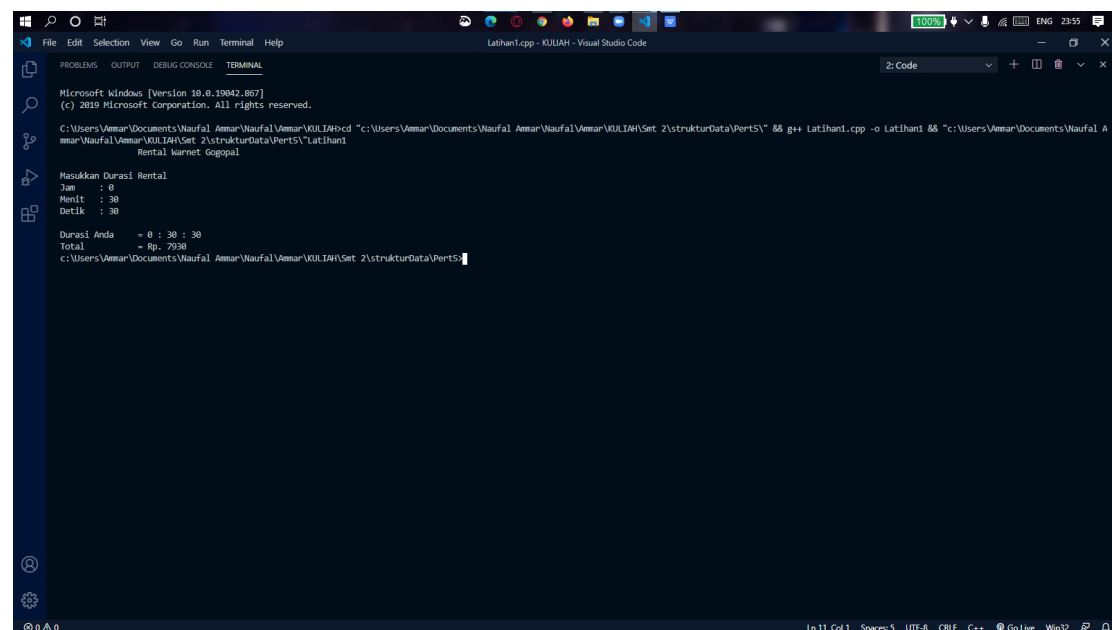
2E

Latihan

```
#include <iostream>

using namespace std;

int main()
{
    struct durasi
    {
        float jam, menit, detik;
    } rntl;
    cout << "\t\tRental Warnet Gogopal" << endl
        << endl;
    cout << "Masukkan Durasi Rental" << endl
        << "Jam\t: ";
    cin >> rntl.jam;
    cout << "Menit\t: ";
    cin >> rntl.menit;
    cout << "Detik\t: ";
    cin >> rntl.detik;
    cout << endl;
    float hour = (rntl.jam * 3600) / 30, minute = (rntl.menit * 60) / 30, second = rntl.detik / 30;
    cout << "Durasi Anda\t= " << rntl.jam << " : " << rntl.menit << " : " << rntl.detik << endl
        << "Total\t\t= Rp. " << (hour + minute + second) * 130;
}
```



```
Microsoft Windows [Version 10.0.19042.267]
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C:\Users\Ammar\Documents\Naufal_Ammar\Naufal_Ammar\KULIAH\Set 2\strukturData\Pert5\ && g++ Latihan1.cpp -o Latihan1 && "c:\Users\Ammar\Documents\Naufal_Ammar\Naufal_Ammar\KULIAH\Set 2\strukturData\Pert5\Latihan1
Rental warnet gogopal

Masukkan Durasi Rental
Jam      : 0
Menit    : 30
Detik    : 30

Durasi Anda      = 0 : 30 : 30
Total            = Rp. 7930
c:\Users\Ammar\Documents\Naufal_Ammar\Naufal_Ammar\KULIAH\Set 2\strukturData\Pert5\
```

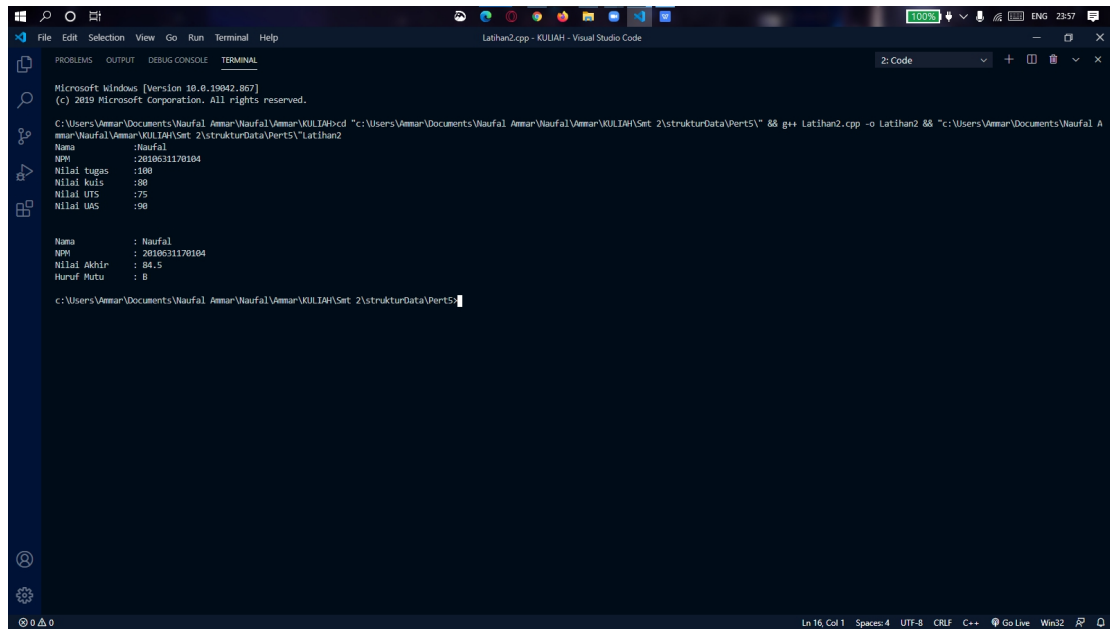
```
#include <iostream>

using namespace std;

int main()
{
    struct mahasiswa
    {
        char nama[50];
        char npm[50];
    } mhs;
    struct nilai
    {
        float tugas, kuis, mid, uas;
    } nlk;
    cout << "Nama\t\t:";
    cin >> mhs.nama;
    cout << "NPM\t\t:";
    cin >> mhs.npm;
    cout << "Nilai tugas\t:";
    cin >> nlk.tugas;
    cout << "Nilai kuis\t:";
    cin >> nlk.kuis;
    cout << "Nilai UTS\t:";
    cin >> nlk.mid;
    cout << "Nilai UAS\t:";
    cin >> nlk.uas;
    float na = ((0.1 * nlk.tugas) + (0.2 * nlk.kuis) + (0.3 * nlk.mid) + (0.4 * nlk.uas));
    cout << endl
         << endl
         << "Nama\t\t: " << mhs.nama << endl
         << "NPM\t\t: " << mhs.npm << endl
         << "Nilai Akhir\t: " << na << endl;
    if (na >= 85)
    {
        cout << "Huruf Mutu\t: A" << endl;
    }
    else if (na >= 70 && na < 85)
    {
        cout << "Huruf Mutu\t: B" << endl;
    }
    else if (na >= 55 && na < 70)
    {
        cout << "Huruf Mutu\t: C" << endl;
    }
    else if (na >= 40 && na < 55)
    {
        cout << "Huruf Mutu\t: D" << endl;
    }
}
```

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```
}  
else if (na < 40)  
{  
    cout << "Huruf Mutu\t: E" << endl;  
}  
}
```



The screenshot shows the Visual Studio Code interface with a terminal window open. The terminal displays the output of a C++ program. The output consists of two sections of data. The first section shows a list of names and their corresponding 'Nilai' (scores) for 'tugas', 'kuis', 'UTS', and 'uas'. The second section shows the same data for a specific student, Naufal, with an additional 'Huruf Mutu' (Quality Letter) of 'B'.

```
Microsoft Windows [Version 10.0.19042.867]  
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C:\Users\Ammar\Documents\Naufal_Ammar\Naufal\Ammar\KULIAH\Set_2\strukturData\Pert5> g++ Latihan2.cpp -o Latihan2 && "c:\Users\Ammar\Documents\Naufal_Ammar\Naufal\Ammar\KULIAH\Set_2\strukturData\Pert5\Latihan2"  
Nama      :Naufal  
NPM       :2010631170104  
Nilai tugas :100  
Nilai kuis  :90  
Nilai UTS   :75  
Nilai uas   :90  
  
Nama      : Naufal  
NPM       : 2010631170104  
Nilai Akhir : 84.5  
Huruf Mutu : B  
  
c:\Users\Ammar\Documents\Naufal_Ammar\Naufal\Ammar\KULIAH\Set_2\strukturData\Pert5>
```