Tugas ke : 5

Mata Kuliah : Prak. Algoritma dan Pemrograman C++

**TUGAS PRAKTIKUM**

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**Disusun Oleh :**

### NAMA : Moch Achmar

**STB : 222362**

**KELAS : J**

# UNIV1ERS1TAS DIPA MAKASSAR

**MAKASSAR**

**2022**

**Tugas :**

1. Buat program menghitung penilaian mahasiswa memakai struct!

Jawaban :

**#include <iostream>**

**#include <cstdlib>**

**#include <conio.h>**

**using namespace std;**

**struct nilai {**

**char Nim[15];**

**char nama[50];**

**int n\_tugas, n\_tugass, n\_tugas\_1, n\_tugas\_2, n\_tugas\_3, n\_quiz, n\_uts, n\_uas, n\_kehadiran, n\_akhir;**

**string grade;**

**};**

**int main() {**

**char ulang;**

**ulang='Y';**

**while ((ulang == 'Y') || (ulang == 'y')) {**

**system ("cls");**

**nilai mhs;**

**cout << "=====================================" << endl;**

**cout << "Contoh Program Penilaian Mahasiswa Memakai Struct!" << endl;**

**cout << "NIM : 222362" << endl;**

**cout << "NAMA : MOCH ACHMAR" << endl;**

**cout << "=====================================" << endl;**

**cout << "Nim : ";**

**cin.getline(mhs.Nim,15);**

**cout << "Nama : ";**

**cin.getline(mhs.nama,50);**

**cout << "Nilai Tugas 1 : ";**

**cin >> mhs.n\_tugas\_1;**

**cout << "Nilai Tugas 2 : ";**

**cin >> mhs.n\_tugas\_2;**

**cout << "Nilai Tugas 3 : ";**

**cin >> mhs.n\_tugas\_3;**

**cout << "Nilai Quiz : ";**

**cin >> mhs.n\_quiz;**

**cout << "Nilai UTS : ";**

**cin >> mhs.n\_uts;**

**cout << "Nilai UAS : ";**

**cin >> mhs.n\_uas;**

**cout << "Input Nilai Kehadiran : ";**

**cin >> mhs.n\_kehadiran;**

**mhs.n\_tugass = mhs.n\_tugas\_1 + mhs.n\_tugas\_2 + mhs.n\_tugas\_3;**

**mhs.n\_tugas = mhs.n\_tugass / 3;**

**mhs.n\_akhir = (mhs.n\_tugas\*30/100) + (mhs.n\_uts\*20/100) + (mhs.n\_uas\*25/100) + (mhs.n\_quiz\*15/100) + (mhs.n\_kehadiran\*10/100);**

**if (mhs.n\_akhir >= 86)**

**{**

**mhs.grade = "A";**

**} else if ((mhs.n\_akhir >= 81) && (mhs.n\_akhir <= 86))**

**{**

**mhs.grade = "A-";**

**} else if ((mhs.n\_akhir >= 76) && (mhs.n\_akhir <= 81))**

**{**

**mhs.grade = "B+";**

**} else if ((mhs.n\_akhir >= 71) && (mhs.n\_akhir <= 76))**

**{**

**mhs.grade = "B";**

**} else if ((mhs.n\_akhir >= 66) && (mhs.n\_akhir <= 71))**

**{**

**mhs.grade = "B-";**

**} else if ((mhs.n\_akhir >= 61) && (mhs.n\_akhir <= 66))**

**{**

**mhs.grade = "C+";**

**} else if ((mhs.n\_akhir >= 56) && (mhs.n\_akhir <= 61))**

**{**

**mhs.grade = "C";**

**} else if ((mhs.n\_akhir >= 41) && (mhs.n\_akhir <= 56))**

**{**

**mhs.grade = "D";**

**} else if ((mhs.n\_akhir >= 0) && (mhs.n\_akhir <= 41))**

**{**

**mhs.grade = "E";**

**}**

**cout << "\n=====================================" << endl;**

**cout << "Output Rangkuman Nilai Yang Didapat" << endl;**

**cout << "=====================================" << endl;**

**cout << "Nim : " << mhs.Nim << endl;**

**cout << "Nama : " << mhs.nama << endl;**

**cout << "Nilai Tugas : " << mhs.n\_tugas << endl;**

**cout << "Nilai Kuiz : " << mhs.n\_quiz << endl;**

**cout << "Nilai UTS : " << mhs.n\_uts << endl;**

**cout << "Nilai UAS : " << mhs.n\_uas << endl;**

**cout << "Mendapatkan Nilai Akhir : " << mhs.n\_akhir << endl;**

**cout << "Nilai Huruf (Grade) : " << mhs.grade << endl;**

**cout << "\t\t\tMasih Ada Data ? [Y/T] :";**

**cin >> ulang;**

**}**

**system ("cls");**

**return 0;**

**}**

