TUGAS

Code :

```cpp
#include <iostream>
#include <stdio.h>
using namespace std;
int main() {
    string mata_kuliah, grade;
    int total_hadir;
    float tugas1, tugas2, tugas3, tugas4, mid, uas, nilai_hadir, nilai_tugas, nilai_mid, nilai_uas, rata_rata;
    cout<<" Masukkan Mata Kuliah : "; cin>>mata_kuliah;
    cout<<" Masukkan Total Kehadiran (0-8) : "; cin>>total_hadir;
    if(total_hadir<0){
        system("cls");
        cout<<" Kehadiran Minimal 0x"<<endl;
        cout<<" Anda Memasukkan "<<total_hadir<<"x";
        cin.get();cin.get();
    }else if(total_hadir>8){
        system("cls");
        cout<<" Kehadiran Maksimal 8x"<<endl;
        cout<<" Anda Memasukkan "<<total_hadir<<"x";
        cin.get();cin.get();
    } else{
        nilai_hadir = (total_hadir/8)*10;
        cout<<" Masukkan Nilai Tugas 1 : "; cin>>tugas1;
        cout<<" Masukkan Nilai Tugas 2 : "; cin>>tugas2;
        cout<<" Masukkan Nilai Tugas 3 : "; cin>>tugas3;
        cout<<" Masukkan Nilai Tugas 4 : "; cin>>tugas4;
        nilai_tugas = ((tugas1+tugas2+tugas3+tugas4)/400)*20;
        cout<<" Masukkan Nilai Mid : "; cin>>mid;
        nilai_mid = (mid/100)*30;
        cout<<" Masukkan Nilai UAS : "; cin>>uas;
        nilai_uas = (uas/100)*40;
        rata_rata = nilai_hadir+nilai_tugas+nilai_mid+nilai_uas;
        if(rata_rata >= 85){
            grade = "A";
        }else if((rata_rata < 85) && (rata_rata >= 80)){
            grade = "A-";
        }else if((rata_rata < 80) && (rata_rata >= 78)){
            grade = "B+";
        }else if((rata_rata < 78) && (rata_rata >= 75)){
            grade = "B";
        }else if((rata_rata < 75) && (rata_rata >= 70)){
            grade = "B-";
        }else if((rata_rata < 70) && (rata_rata >= 67)){
            grade = "C+";
        }else if((rata_rata < 67) && (rata_rata >= 63)){
            grade = "C";
        }else if((rata_rata < 63) && (rata_rata >= 60)){
            grade = "C-";
        }else if((rata_rata < 60) && (rata_rata >= 57)){
            grade = "D";
        }else if(rata_rata < 57){
            grade = "E";
        }
        cout<<endl;
        cout<<" Nilai Mata Kuliah : "<<mata_kuliah<<endl;
        printf(" Rata-Rata Nilai : %.2f\n", rata_rata);
        cout<<" Grade Nilai : "<<grade;
        cin.get();cin.get();
    }
    return 0;
}
```

Output :

```
D:\Tugas Praktikum\Logika &    ×    +    ∨

Masukkan Mata Kuliah : Algoritma
Masukkan Total Kehadiran (0-8) : 7
Masukkan Nilai Tugas 1 : 89
Masukkan Nilai Tugas 2 : 80
Masukkan Nilai Tugas 3 : 90
Masukkan Nilai Tugas 4 : 79
Masukkan Nilai Mid : 80
Masukkan Nilai UAS : 85

Nilai Mata Kuliah : Algoritma
Rata-Rata Nilai : 74.90
Grade Nilai : B-
```