

## Source Code

```
#include <iostream>
#include <string>

using namespace std;

struct Mahasiswa
{
    string nama;
    string nim;
    string alamat;
    string ips;
    string ipk;
    string keterangan;
};

int main()
{
    char tab = '\t';
    int jmlhMhs = 25;

    Mahasiswa mhs[jmlhMhs];

    for (int i = 0; i < jmlhMhs; i++)
    {
        cout << "Data-" << i + 1 << " : "
              << "Entry Data" << endl;
        cout << "        Nama      : ";
        getline(cin, mhs[i].nama);
        cout << "        NIM       : ";
        getline(cin, mhs[i].nim);
        cout << "        Alamat   : ";
        getline(cin, mhs[i].alamat);
        cout << "        IPS      : ";
        getline(cin, mhs[i].ips);
        cout << "        IPK      : ";
        getline(cin, mhs[i].ipk);

        float ipk = stof(mhs[i].ipk);

        if (ipk >= 3.75)
        {
            mhs[i].keterangan = "MHS PERFECT";
        }
        else if (ipk >= 3.50 && ipk <= 3.75)
        {
            mhs[i].keterangan = "MHS EXCELLENT";
        }
        else
        {
            mhs[i].keterangan = "MHS DBASE";
        }
    }
}
```

```

        cout << "                                DAFTAR NAMA MHS STRUKTUR DATA                                " << endl;
        cout << "-----" << endl;
        cout << "No.\t\tNama\t\tNIM\t\tAlamat\t\tIPK\t\tIPS\t\tKET." << endl;
        for (int j = 0; j < jmlhMhs; j++)
        {
            cout << j + 1 << tab << tab << mhs[j].nama << tab << tab <<
mhs[j].nim << tab << tab << mhs[j].alamat << tab << tab << mhs[j].ips << tab
<< tab << mhs[j].ipk << tab << tab << mhs[j].keterangan << endl;
        }
    }
}

```

## Result (With 3 jmlhMhs)

```

C:\Users\Aldi Maulana\Documents\Coolyeh\SMT 2\Struktur Data\Sesi 6\Tugas\Tugas Sesi 6.exe
Data-1 : Entry Data
        Nama : Aldi
        NIM : 20210801222
        Alamat : Bekasi
        IPS : 3.9
        IPK : 3.9
Data-2 : Entry Data
        Nama : Maulana
        NIM : 20210801223
        Alamat : Tambun
        IPS : 3.6
        IPK : 3.6
Data-3 : Entry Data
        Nama : Iqbal
        NIM : 20210801224
        Alamat : Kebalen
        IPS : 3.4
        IPK : 3.4
        DAFTAR NAMA MHS STRUKTUR DATA
        -----
        No.      Nama      NIM      Alamat      IPK      IPS      KET.
        1      Aldi      20210801222      Bekasi      3.9      3.9      MHS PERFECT
        2      Maulana      20210801223      Tambun      3.6      3.6      MHS EXCELLENT
        3      Iqbal      20210801224      Kebalen      3.4      3.4      MHS DBASE
        -----
        Process exited after 37.34 seconds with return value 0
        Press any key to continue . . .
    
```