


Nama : Ivan Andri Wahyudi

Npm : 203510197

Kelas : 2B

Coding:



```
1  #include <iostream>
2  #include <fstream>
3  #include <stdlib.h>
4  #include <string.h>
5  #include <stdio.h>
6  #include <iomanip>
7  #include <conio.h>
8
9  using namespace std;
10
11 void rekamdata();
12 void bacadata();
13
14 struct datamhs{
15     char npm[20];
16     char nama[20];
17     float ipk;
18 }mhs;
19
20
21 main(){
22     int pilmenu = 1;
23     while (pilmenu <= 2){
24
25         cout << "MENU PILIHAN" << endl;
26         cout << "[1] Merekam Data " << endl;
27         cout << "[2] Membaca Data " << endl;
28         cout << "[3] Keluar " << endl;
29         cout << "Inputkan Pilihan Anda = ";
30         cin >> pilmenu;
31         if (pilmenu == 1){
32             rekamdata();
33         }else if (pilmenu == 2){
34             bacadata();
35         }else
36             exit(1);
37     }
38 }
39
40 void rekamdata(){
41     ofstream FileMhs("datamhs.dat", ios :: out);
42     if(!FileMhs){
43         cerr <<"File Could Not Be Opened " << endl;
44         exit(1);
45     }
46     char jawab = 'y';
47     cout << "Inputkan Data Mahasiswa" << endl;
```


ed in 2.1s]

le 102, Column 17


```
rekamdata.cpp x pengolahanfilee.cpp x bacadata.cpp x
79 << setw(17) << "Predikat" << endl;
80 cout << "===== " << endl;
81 mhsFile.read((char *) & mhs, sizeof(mhs));
82 while (!mhsFile.eof()){
83     no++;
84     if (mhs.ipk >= 80)
85         strcpy(pre, "A");
86     else if (mhs.ipk >= 70)
87         strcpy(pre, "A-");
88     else if (mhs.ipk >= 65)
89         strcpy(pre, "B");
90     else if (mhs.ipk >= 60)
91         strcpy(pre, "B-");
92     else if (mhs.ipk >= 55)
93         strcpy(pre, "C");
94     else if (mhs.ipk >= 40)
95         strcpy(pre, "C-");
96     else if (mhs.ipk >= 30)
97         strcpy(pre, "D");
98     else if (mhs.ipk <= 30)
99         strcpy(pre, "E");
100     else if (mhs.ipk >= 100)
101         strcpy(pre, "error");
102     else
103         strcpy(pre, "Tidak ada ");
104     cout << setiosflags(ios :: left) << setw(5) << no
105     << setw(11) << mhs.npm
106     << setw(21) << mhs.nama
107     << setw(8) << mhs.ipk
108     << setw(17) << pre << endl;
109     mhsFile.read((char *) & mhs, sizeof(mhs));
110 }
111
112 cout << "===== " << endl;
113 mhsFile.close();
114 getch();
115 }
116
117
118
119
120
121
122
123
124
125
```

ed in 2.1s]

re 125, Column 1



Running

```
C:\Windows\system32\cmd.exe
```

```
D:\KULIAH\SEMESTER 2\PRAKTIKUM PK2\Pengolahan File>pengol  
MENU PILIHAN  
[1] Merekam Data  
[2] Membaca Data  
[3] Keluar  
Inputkan Pilihan Anda = 1  
Inputkan Data Mahasiswa  
  
Masukan Nama      = ivan Andri  
Masukan Npm       = 203510197  
Masukan IPK       = 80  
Ada Data Lagi [Y/T]    = y  
  
Masukan Nama      = wahyu pratama  
Masukan Npm       = 203510876  
Masukan IPK       = 65  
Ada Data Lagi [Y/T]    = y  
  
Masukan Nama      = riko sapardi  
Masukan Npm       = 203510214  
Masukan IPK       = 55  
Ada Data Lagi [Y/T]    = y  
  
Masukan Nama      = haiqal mahendra  
Masukan Npm       = 203510148  
Masukan IPK       = 30  
Ada Data Lagi [Y/T]    = T  
MENU PILIHAN  
[1] Merekam Data  
[2] Membaca Data  
[3] Keluar  
Inputkan Pilihan Anda = 2  
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>  
=====
```

No.	Npm	Nama	Ipk	Predikat
1	203510197	ivan Andri	80	A
2	203510876	wahyu pratama	65	B
3	203510214	riko sapardi	55	C
4	203510148	haiqal mahendra	30	D

```
=====
```

```
MENU PILIHAN
```