* Viết file.h

#pragma once

#ifndef SinhVien\_H

#define SinhVien\_H

class SinhVien

{

private:

char cHoTen[50], cNgaySinh[10];

float fM1, fM2, fM3, fDTB;

public:

SinhVien();

~SinhVien();

void Nhap();

void Xuat();

float TinhTB();

int KiemTra();

};

#endif // !SinhVien\_H

//--------------

Viết file. Cpp

#include"SinhVien.h"

#include"iostream"

#include"conio.h"

#include"iomanip"

using namespace std;

SinhVien::SinhVien()

{}

SinhVien::~SinhVien()

{}

void SinhVien::Nhap()

{

cin.ignore(1);

cout << "\nHo Ten :";

cin.getline(cHoTen, 50);

cout << "\nNgay Sinh :"; cin.getline(cNgaySinh, 10);

cout << "\nDiem M1 :"; cin >> fM1;

cout << "\nDiem M2 :"; cin >> fM2;

cout << "\nDiem M3 :"; cin >> fM3;

}

void SinhVien::Xuat()

{

cout << setw(18) << cHoTen << " |";

cout << setw(20) << cNgaySinh << " |";

cout << setw(12) << TinhTB() << " |"<<endl;

}

float SinhVien::TinhTB()

{

fDTB = (fM1 + fM2 + fM3) / 3.0;

return fDTB;

}

int SinhVien::KiemTra()

{

if (fM1 >= 5.0&&fM2 >= 5.0&&fM3 >= 5.0)

return 1;

return 0;

}

//------------------

Ct chính (main)

#include"SinhVien.h"

#include"iostream"

#include"conio.h"

#include"iomanip"

using namespace std;

void main()

{

int nSiSo;

SinhVien \*DS = new SinhVien[100];

cout << "\nSo luong sinh vien :";

cin >> nSiSo;

for (int i = 1; i <= nSiSo; i++)

{

cout << "\nThong tin sinh vien thu :" << i;

DS[i].Nhap();

}

cout << "\n======Sinh vien duoc lam luan van======" << endl;

cout << "|-----------------------------------------------|" << endl;

cout << " Ho Ten |" << " Ngay Sinh " << " Diem tb" << endl;

cout << "|-----------------------------------------------|" << endl;

for (int i = 1; i <= nSiSo; i++)

{

if (DS[i].TinhTB() >= 7.0 && DS[i].KiemTra() == 1)

{

DS[i].Xuat();

cout << "|-----------------------------------------------|" << endl;

}

}

cout << "\n======Sinh vien duoc lam tot nghiep======" << endl;

cout << "|-----------------------------------------------|" << endl;

cout << " Ho Ten |" << " Ngay Sinh " << " Diem tb" << endl;

cout << "|-----------------------------------------------|" << endl;

for (int i = 1; i <= nSiSo; i++)

{

if (DS[i].TinhTB() >= 5.0 && DS[i].KiemTra() == 1)

{

DS[i].Xuat();

cout << "|-----------------------------------------------|" << endl;

}

}

cout << "\n======Sinh vien duoc thi lai======" << endl;

cout << "|-----------------------------------------------|" << endl;

cout << " Ho Ten |" << " Ngay Sinh " << " Diem tb" << endl;

cout << "|-----------------------------------------------|" << endl;

for (int i = 1; i <= nSiSo; i++)

{

if (DS[i].KiemTra() == 0)

{

DS[i].Xuat();

cout << "|-----------------------------------------------|" << endl;

}

}

delete DS;

system("pause");

}