#include<iostream>

#include<string>

using namespace std;

class person

{

private:

string name;

int ssn;

public:

void set\_personal(string nem,int ss)

{

name=nem;

ssn=ss;

}

void print\_persson()

{

cout<<"the name is "<<name<<endl;

cout<<"the ssn :"<<ssn<<endl;

}

person();

~person(){cout<<" person destrcter "<<endl; }

};

person::person()

{

cout<<"person constructer "<<endl;

}

class student:public person

{

protected:

string major;

int hours;

int gpa;

public:

~student(){cout<<" student destrcter "<<endl; }

student();

void set\_stident(string m,int h,int g )

{

major=m;

hours=h;

gpa=g;

}

void print\_student()

{

cout<<"the major "<<major<<endl;

cout<<"the hours:"<<hours<<endl;

cout<<"the gpa :"<<gpa <<endl;

}

};

student::student()

{

cout<<"student constructer "<<endl;}

int main()

{

student rawan;

string na,ma;

int sa,ha,g;

cout<<"enter the info"<<endl;

cin>>na;

cout<<" ssn :"<<endl;

cin>>sa;

cout<<"major : "<<endl;

cin>>ma;

cout<<"hours : "<<endl;

cin>>ha;

cout<<"GPA: "<<endl;

cin>>g;

cout<<"\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*"<<endl;

rawan.set\_personal(na,sa);

rawan.print\_persson();

cout<<"\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*"<<endl;

rawan.set\_stident(ma,ha,g);

rawan.print\_student();

cout<<"\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*"<<endl;

return 0;}