（一）

1.

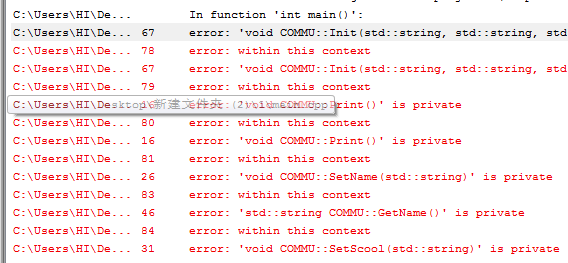
(1)

C3.Init("李明明","上海交通大学","021—55667878","200108");



(2)

//public: 程序不能运行，主函数不能调用class里私有的函数



(3)

class改成struct 程序可以运行，struct默认为公有

(4)

string pNum;//住宅电话

string wNum;//办公电话

string mAdresse;//邮件地址

string nTele;//手机号码

2.

修改后的程序如下

#include <iostream>

#include <cstring>

#include <cstdlib>

#include <fstream>

using namespace std;

class Book

{

long int num;//书号

char bookname[40];//书名

char publicname[40];//出版社

char name[20];//作者

public:

Book(){ num=0; bookname[0] =0;publicname[0] =0; name[0] =0;}

char \* Getbookname(void){ return bookname ;}

char \* Getname(void){ return name ;}

char \* Getpublicname(void){ return publicname ;}

long Getnum(void ) { return num;}

void Setdata(long , char \*,char \*,char \*);

void Show(void );

Book(long , char \*,char \*,char \*);

};

void Book::Setdata(long nu , char \*bn,char \*p,char \*n)

{

num = nu; strcpy(bookname,bn);

strcpy(publicname,p); strcpy(name,n);

}

void Book::Show(void )

{

cout<<"书号:"<<num<<'\t'<<"书名:"<<bookname<<'\t';

cout<<"出版社:"<<publicname<<'\t'<<"作者:"<<name<<'\n';

}

Book::Book(long nu, char \* bp,char \*p,char \*n)

{

Setdata(nu , bp, p, n);

}

int main(void)

{

Book b1,b2;

long nu;

char bn[40];//书名

char pn[40];//出版社

char na[20];//作者

ifstream file1;

ofstream file3;

char flag = 'y';

while( flag=='y' ||flag=='Y') //由控制循环

{

cout<<"\t\t 1:按书名查找一本书!\n";

cout<<"\t\t 2:按出版社查找一本书!\n";

cout<<"\t\t 3:按作者查找一本书!\n";

cout<<"\t\t 4:加入一本新书!\n";

cout<<"\t\t 5:显示库中所有书!\n";

cout<<"\t\t 6:退出!\n输入选择：";

int f;

cin>>f;

switch(f)

{

case 1:

cout<<"输入要查找的书名：";

cin>>bn;

file1.open("book.dat",ios::in | ios::binary);//按读方式打开文件

while(!file1.eof())

{

int n;

file1.read((char \*)&b1,sizeof(Book));

n=file1.gcount();

if(n==sizeof(Book))

{

if(strcmp(b1.Getbookname(),bn)==0)//显示书的信息

b1.Show();

}

}

file1.close();

break;

case 2:

cout<<"输入要查找的出版社：";

cin>>bn;

file1.open("book.dat",ios::in | ios::binary);//按读方式打开文件

while(!file1.eof())

{

int n;

file1.read((char \*)&b1,sizeof(Book));

n=file1.gcount();

if(n==sizeof(Book))

{

if(strcmp(b1.Getpublicname(),bn)==0)//显示书的信息

b1.Show();

}

}

file1.close();

break;

case 3:

cout<<"输入要查找的作者：";

cin>>bn;

file1.open("book.dat",ios::in | ios::binary);//按读方式打开文件

while(!file1.eof())

{

int n;

file1.read((char \*)&b1,sizeof(Book));

n=file1.gcount();

if(n==sizeof(Book))

{

if(strcmp(b1.Getname(),bn)==0)//显示书的信息

b1.Show();

}

}

file1.close();

break;

case 4:

cout<<"输入书号："; cin>>nu;

cout<<"输入书名："; cin>>bn;

cout<<"输入出版社："; cin>>pn;

cout<<"输入作者："; cin>>na;

b1.Setdata(nu,bn,pn,na);

file3.open("book.dat",ios::app|ios::binary);//增补方式打开文件

file3.write((char\*)&b1,sizeof(b1));

file3.close();

break;

case 5:

file1.open("book.dat",ios::in | ios::binary);//按读方式打开文件

while(!file1.eof())

{

int n;

file1.read((char \*)&b1,sizeof(Book));

n=file1.gcount();

if(n==sizeof(Book))

{

b1.Show();

}

}

default: flag = 'n';

}

}

system("pause");

return 0;

}

（二）

5.人员信息

#include <iostream>

#include <cstring>

#include <cstdlib>

#include <fstream>

using namespace std;

class people

{

char sex;

char name;

int age;

public:

people(char s,char n,int a):sex(s),name(n),age(a){};

void setSex(char s){sex=s;}

void setName(char n){name=n;}

void setAge(int a){age=a;}

char getSex(){return sex;}

char getName(){return name;}

int getAge(){return age;}

};

class teacher : public people

{

char workid;

char title;

int salary;

public:

teacher(char s,char n,int a,char w,char t,int sa):people(s,n,a),workid(w),title(t),salary(sa){};

void setWorkid(char w){workid=w;}

void setTitle(char t){title=t;}

void setSalary(int sa){salary=sa;}

char getWorkid(){return workid;}

char getTitle(){return title;}

int getSalary(){return salary;}

};

class student : public people

{

char id;

char classe;

char major;

int note;

public:

student(char s,char n,int a,char id,char c,char m,int nt):people(s,n,a),id(id),classe(c),major(m),note(nt){};

void setId(char i){id=i;}

void setClasse(char c){classe=c;}

void setMajor(char m){major=m;}

void setNote(int nt){note=nt;}

char getId(){return id;}

char getClasse(){return classe;}

char getMajor(){return major;}

int getNote(){return note;}

};

int main()

{

return 0;

}

（三）

10.模板

#include <iostream>

#include <cstring>

#include <cstdlib>

#include <fstream>

using namespace std;

class complex

{

int re;

int im;

public:

complex(int r,int i):re(r),im(i){};

void setRe(int r){re=r;}

void setIm(int i){im=i;}

int getRe(){return re;}

int getIm(){return im;}

bool operator>(complex a)

{

if((this->re)\*(this->re)+(this->im)\*(this->im)>(a.re)\*(a.re)+(a.im)\*(a.im))

return true;

else return false;

}

};

int main()

{

complex c1(2,3);

complex c2(-2,-2);

if (c1>c2)

cout<<"c1>c2"<<endl;

return 0;

}

