// Ashish Waghmode

// ROLL No : 2174

#include<iostream>

#include<string.h>

using namespace std;

class student

{

char \*name,\*dob,\*blood,\*Class,\*div,\*rollno;

static int count;

public:

student();

student(student \*);

~student();

void putdata();

static void showcount()

{

cout<<"total number of student : "<<count;

}

friend class info;

};

class info

{

char \*conno,\*drino,\*address;

public :

info();

void getdata(student \*s);

void putdata(student \*s);

};

student:: student()

{

++count;

name = new char[20];

dob = new char[10];

blood = new char[3];

Class=new char[3];

div=new char[1];

rollno=new char[100];

strcpy(name,"XYZ");

strcpy(dob,"00/00/0000");

strcpy(blood,"A +");

strcpy(Class,"S.E");

strcpy(div,"A");

strcpy(rollno,"30");

}

student::student(student \*s)

{

strcpy(this->name,s->name);

strcpy(this->dob,s->dob);

strcpy(this->blood,s->blood);

strcpy(this->Class,s->Class);

strcpy(this->div,s->div);

strcpy(this->rollno,s->rollno);

}

student::~student()

{

cout<<"\nExiting....";

cout<<"\nTHANK YOU.....\n";

}

void student::putdata()

{

cout<<"\nName : "<<name;

cout<<"\nDate of Birth : "<<dob;

cout<<"\nBlood Group : "<<blood;

cout<<"\nClass : "<<Class;

cout<<"\nDivision : "<<div;

cout<<"\nRoll No : "<<rollno;

}

info::info()

{

conno = new char[10];

drino = new char[10];

address=new char[50];

strcpy(address,"Address ");

strcpy(conno,"xxxxxxxxxx");

strcpy(drino,"xxxxxx");

}

void info::getdata(student \*s)

{

cout<<"\nFill the student information\n";

cout<<"Enter the Name : ";

cin>>s->name;

cout<<"Enter Date of birth (dd/mm/yyyy) : ";

cin>>s->dob;

cout<<"Enter Blood group : ";

cin>>s->blood;

cout<<"Class";

cin>>s->Class;

cout<<"Enter Division";

cin>>s->div;

cout<<"Enter Roll No";

cin>>s->rollno;

cout<<"Enter Contact number : ";

cin>>conno;

cout<<"Enter Driving license number : ";

cin>>drino;

cout<<"\nEnter the address in detail\n";

cin>>address;

}

void info::putdata(student \*s)

{

cout<<"\n\nName : "<<s->name;

cout<<"\nDate of birth : "<<s->dob;

cout<<"\nBlood group : "<<s->blood;

cout<<"\nClass : "<<s->Class;

cout<<"\nDivision : "<<s->div;

cout<<"\nRoll.No : "<<s->rollno;

cout<<"\nContact number : "<<conno;

cout<<"\nDriving license number : "<<drino;

cout<<"\nAddress : "<<address;

cout<<"\n";

}

int student::count=-2;

int main()

{

int n,i;

student s1;

student \*st[100];

info in1,\*in[100];

in1.putdata(&s1);

student s2(s1);

s2.putdata();

cout<<"\n How many objects you want to create ? : ";

cin>>n;

for(i=0;i<n;i++)

{

in[i] = new info();

st[i] = new student();

}

for(i=0;i<n;i++)

{

in[i]->getdata(st[i]);

}

for(i=0;i<n;i++)

{

in[i]->putdata(st[i]);

}

student::showcount();

for(i=0;i<n;i++)

{

delete(st[i]);

delete(in[i]);

}

return 0;

}

/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* output \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Name : XYZ

Date of birth : 00/00/0000

Blood group : A +

Class : S.E

Division : A

Roll.No : 30

Contact number : xxxxxxxxxx

Driving license number : xxxxxx

Address : Address

Name : XYZ

Date of Birth : 00/00/0000

Blood Group : A +

Class : S.E

Division : A

Roll No : 30

How many objects you want to create ? : 1

Fill the student information

Enter the Name : ASHISH

Enter Date of birth (dd/mm/yyyy) : 06/04/2001

Enter Blood group : A+

ClassS.E

Enter DivisionA

Enter Roll No2174

Enter Contact number : 8888888888

Enter Driving license number : XXXXXXXXXXXX

Enter the address in detail

Akluj,solapur,Maharashtra

Name : ASHISH

Date of birth : 06/04/2001

Blood group : A+

Class : S.E

Division : A

Roll.No : 2174

Contact number : 8888888888

Driving license number : XXXXXXXXXXXX

Address : Akluj,solapur,Maharashtra

total number of student : 0

Exiting....

THANK YOU.....

Exiting....

THANK YOU.....

Exiting....

THANK YOU.....

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