#include<iostream>

#include<string.h>

using namespace std;

class student

{

public:

int rollno;

char name[10];

char address[20];

char cl[5];

char division[5];

char bloodgroup[5];

char dob[10];

long int mobile;

static int count;

student()

{

rollno=0;

strcpy(name,"AAAAAA");

strcpy(address,"AAAA");

strcpy(cl,"AA");

strcpy(division,"A");

strcpy(bloodgroup,"AA");

strcpy(dob,"01/01/2000");

mobile=0000000000000;

count++;

}

student(student &s1)

{

rollno=s1.rollno;

strcpy(name,s1.name);

strcpy(address,s1.address);

strcpy(cl,s1.cl);

strcpy(division,s1.division);

strcpy(bloodgroup,s1.bloodgroup);

strcpy(dob,s1.dob);

mobile=s1.mobile;

}

~student()

{

cout<<endl<<this->name<<"Deleted"<<endl;

}

void read()

{

cout<<"\n Enter Student's Roll No : ";

cin>>rollno;

cout<<"\n Enter Student's Name : ";

cin>>name;

cout<<"\n Enter Student's Address : ";

cin>>address;

cout<<"\n Enter Student's Class : ";

cin>>cl;

cout<<"\n Enter Student's Division : ";

cin>>division;

cout<<"\n Enter Student's Blood Group : ";

cin>>bloodgroup;

cout<<"\n Enter Student's Date of Birth : ";

cin>>dob;

cout<<"\n Enter Student's Mobile No : ";

cin>>mobile;

}

static void showcount()

{

cout<<" \n Total No of Students : "<<count<<endl;

}

friend void show(student s);

};

int student::count=0;

void show(student s)

{

cout<<"\n Student's Roll No. : "<<s.rollno;

cout<<"\n Student's Name : "<<s.name;

cout<<"\n Student's Address : "<<s.address;

cout<<"\n Student's Class : "<<s.cl;

cout<<"\n Student's Division : "<<s.division;

cout<<"\n Student's Blood Group : "<<s.bloodgroup;

cout<<"\n Student's Birthdate : "<<s.dob;

cout<<"\n Student's Mobile no : "<<s.mobile;

}

int main()

{

int n;

int i;

student s1,\*p[100];

show(s1);

;

cout<<"\n How many Student's detail you want to save : ";

cin>>n;

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

{

p[i]=new student();

p[i]->read();

}

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

{

show(\*p[i]);

student::showcount();

}

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

{

delete p[i];

}

student s2(s1);

show(s2);

return(0);

}