#include <iostream>  
#include<string.h>  
using namespace std;  
class student  
{  
public:  
int roll\_no;  
char clas[10];  
int sr\_no;  
long int tele\_no;  
char name[20];  
char div;  
char blood\_grp[20];  
char DOB[10];  
static int count;  
void getdata();  
friend void display(student & obj);  
student() //Constructor  
{  
roll\_no=0;  
cout<<"\tConstructor";  
roll\_no=count;  
count++;  
}  
~student() //Destructor  
{  
cout<<"\nDestructor";  
cout<<"\nDestroying the object";  
count--;  
}  
student(int roll\_no)  
{  
this->roll\_no=roll\_no;  
}  
student (student & obj)  
{  
roll\_no=obj.roll\_no;  
strcpy(name,obj.name);  
strcpy(DOB,obj.DOB);  
strcpy(clas,obj.clas);  
strcpy(blood\_grp,obj.blood\_grp);  
div=obj.div;  
tele\_no=obj.tele\_no;  
sr\_no=count;  
count++;  
}  
};  
int student :: count=0;  
void student:: getdata()  
{  
cout<<"\n"<<"Enter the roll number of the student:";  
cin>>roll\_no;  
cout<<"\n"<<"Enter the name of the student:";

cin>>name;  
cout<<"\n"<<"Enter the date of birth of the student:";  
cin>>DOB;  
cout<<"\n"<<"Enter the blood group of the student:";  
cin>>blood\_grp;  
cout<<"\n"<<"Enter the class of the student:";  
cin>>clas;  
cout<<"\n"<<"Enter the division of the student:";  
cin>>div;  
cout<<"\n"<<"Enter the contact of the student:";  
cin>>tele\_no;  
}  
void display(student & obj)  
{  
cout<<"\n"<<obj.roll\_no;  
cout<<"\t\t"<<obj.name;  
cout<<"\t"<<obj.DOB;  
cout<<"\t"<<obj.blood\_grp;  
cout<<"\t\t"<<obj.clas;  
cout<<"\t\t\t"<<obj.div;  
cout<<"\t\t\t"<<obj.tele\_no;  
}  
int main()  
{  
student s1;  
student s2(s1);  
cout<<"\n Enter the details of a student:"<<"\n";  
s1.getdata();  
cout<<"All data is as displayed below:"<<"\n";  
cout<<"\n------------------------------------------------------------------------------------------";  
cout<<"\nROLL NUMBER\tNAME\tDOB\t\tBLOODGRP\tCLASS\t\tDIVISION\tCONTACT  
NUMBER";  
display(s1);  
cout<<"\n------------------------------------------------------------------------------------------";  
int i,n;  
student \*s[50];  
cout<<"\nEnter how many student object do you want us to create?"<<"\n";  
cin>>n;  
for(i=0;i<n;i++)  
{  
s[i]= new student();  
}  
for(i=0;i<n;i++)  
{  
s[i]->getdata();  
}  
for(i=0;i<n;i++)  
{  
display(\*s[i]);  
}  
for(i=0;i<n;i++)  
{  
delete (s[i]);  
}  
return 0;  
}

**OUTPUT :-**

