```
#include"iostream"
using namespace std;
class student
{
	string name,class1,div,dob,bg,add;
	int rollno,teleno,lics;
	static int count; //static datamember
public:
	student(); //default constructor
	student(string name1,string class11,string div1,string dob1,string
bg1,string add1,int rollno1,int teleno1,int lics1); //parametric constructor
	void getdata();
	void putdata();
	static void printcount(); //static member function
	inline void title() //inline function
		{cout<<"\n...Student Information Database System...";}
	friend void showdiv(student s);
	student(student&s); //copy constructor
	~student() //Destructor
	{cout<<"\nDestructor is executed";}
};
void showdiv(student s)
{cout<<"\nThe division of student is "<<s.div;}
void student::getdata()
{
	cout<<"\nEnter Name :-";
	cin>>name ;
	cout<<"\nEnter Roll No :-";
	cin>>rollno ;
	cout<<"\nEnter Class :-";
	cin>>class1 ;
	cout<<"\nEnter Division :-";
	cin>>div ;
	cout<<"\nEnter Date Of Birth :-";
	cin>>dob ;
	cout<<"\nEnter Blood Group :-";
	cin>>bg ;
	cout<<"\nEnter Contact Address :-";
	cin>>add ;
	cout<<"\nEnter Telephone No. :-";
	cin>>teleno ;
	cout<<"\nEnter License No. :-";
	cin>>lics ;
};
void student::putdata()
{
	cout<<"\nName :-"this->name;
	cout<<"\nRoll :-"<<rollno;
	cout<<"\nClass :-"<<class1;
```

```
	cout<<"\nDivision :-"<<div;
	cout<<"\nDate Of Birth :-"<<dob;
	cout<<"\nBlood Group :-"<<bg;
	cout<<"\nContact Address :-"<<add;
	cout<<"\nTelephone No :-"<<teleno;
	cout<<"\nLicense No :-"<<lics;
}
void student::printcount()  //defining static member function
{cout<<"\nTotal no. of objects are :"<<count;}
int student::count;
student::student()  //default constructor
{
	cout<<"\nDefault constructor is executed";
	name="0";
	class1="0";
	div="0";
	dob="0";
	bg="0";
	add="0";
	rollno=0;
	teleno=0;
	lics=0;
	count++;
}
student::student(student&s)  //copy constructor
{name=s.name;
class1=s.class1;
div=s.div;
dob=s.dob;
bg=s.bg;
add=s.add;
rollno=s.rollno;
teleno=s.teleno;
lics=s.lics;
count++;
}
student::student(string name1,string class11,string div1,string dob1,string
bg1,string add1,int rollno1,int teleno1,int lics1)
//Parameterized constructor
{
	name=name1;
	class1=class11;
	div=div1;
	dob=dob1;
	bg=bg1;
	add=add1;
	rollno=rollno1;
	teleno=teleno1;
	lics=lics1;
```

```
        count++;
}
int main()
{
        student s1;
        s1.title();
        s1.getdata();
        s1.putdata();
        //s1.getdata();
        //s1.putdata();
        student s2("Ved","SE-1","D","21-4-04","B+","Pune",70,4545,8081);
        s2.putdata();
        student s3(s2);
        s3.putdata();
        showdiv(s3);
        student::printcount();
        student*ptr = new student();
        cout<<"\nAccept data using pointer";
        ptr->getdata();
        cout<<"\nDisplay data using pointer";
        ptr->putdata();
        delete ptr;
}
```