Array of objects

```
#include<iostream>
using namespace std;
class Employee
int id;
char name[25];
int age;
long salary;
public:
void getdata()
cout<<"\n\t enter employee id";cin>>id;
cout<<"\n\t enter employee namw";cin>>name;
cout<<"\n\t enter employee age";cin>>age;
cout<<"\n\t enter employee salary";cin>>salary;
void putdata()
cout<<"\n"<<id<<"\t"<<name<<"\t"<<age<<"\t"<<salary;
};
int main()
{
int i;
Employee E[3];
for( i=0;i<3;i++)
 cout<<"\n enter details of"<<i+1<<"\t"<="Employee";</pre>
 E[i].getdata();
 cout<<"\n details of employees";</pre>
 for(i=0;i<3;i++)
 E[i].putdata();
 }
```

THIS POINTER

```
#include<iostream>
#include<string.h>
using namespace std;
class student
int Roll;
char Name[25];
float Marks;
public:
student(int R,float Mks,char Nm[])
 Roll=R;
 strcpy(Name,Nm);
 Marks=Mks;
 student(char Name[],float Marks,int Roll)
 Roll=Roll;
 strcpy(Name,Name);
 Marks=Marks;
 student(int Roll,char Name[],float Marks)
 this-> Roll=Roll;
 strcpy(this->Name,Name);
 this-> Marks=Marks;
 void display()
 cout<<"\n\tRoll: "<<Roll;</pre>
 cout<<"\n\tName: "<<Name;</pre>
 cout<<"\n\tMarks: "<<Marks;</pre>
 }
 };
 int main()
 student S1(1,89.63, "Sumit");
 student S2("Kumar",78.53,2);
 student S3(3, "Gurav", 68.94);
 cout<<"\n\tDetails of student 1: ";</pre>
 S1.display();
 cout<<"\n\tDetails of student 2: ";</pre>
 S2.display();
 cout<<"\n\tDetails of student 3: ";</pre>
 S3.display();
```

```
return 0;
}

os@os-HP-Compaq-dc7900-Small-Form-Factor:~$ ./a.out

Details of student 1:
Roll: 1
Name: Sumit
Marks: 89.63
Details of student 2:
Roll: 0
Name:
Marks: 2.8026e-45
Details of student 3:
Roll: 3
Name: Gurav
Marks: 68.94os@os-HP-Compaq-dc7900-Small-Form-Factor:~$
```

Dynamic allocation operators

```
#include<iostream>
using namespace std;
int main()
{
    double* val=NULL;
    val=new double;
    *val=38184.26;
    cout<<"Value is: "<<*val<<endl;
    delete val;
    return 0;
}</pre>
```