

ARRAY OF OBJECTS

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Example 1: Program to read and display the name and price of items

```
#include<iostream>
using namespace std;
class item
{
    char name[30];
    int price;
public:
    void getitem();
    void printitem();
};

void item::getitem()
{
    cout << "Item Name = ";
    cin >> name;
    cout << "Price = ";
    cin >> price;
}
```

```
void item :: printitem()
{
    cout << "Name : " << name <<
        "\n";
    cout << "Price : " << price <<
        "\n";
}

const int size = 3;
```

```
int main()
{
    item t[size];
    for(int i = 0; i < size; i++)
    {
        cout << "Item : " <<(i + 1) << "\n";
        t[i].getitem();
    }

    for(int i = 0; i < size; i++)
    {
        cout << "Item Details : " <<(i + 1) << "\n";
        t[i].printitem();
    }
}
```

Example 2: Program to read and display the details of 5 students and also calculate the total marks obtained

```
#include<iostream>
using namespace std;
class student
{
    char name[30];
    int rollno;
    int total;
    int m1,m2,m3;
public:
    void getdata();
    void dispdata();
};

void student ::getdata()
{
    cout << "Enter Name : ";
    cin >> name;
    cout << "Enter Rollno: ";
    cin >> rollno;
    cout << "Enter Marks : ";
    cin>>m1>>m2>m3;
    total=m1+m2+m3;
}
```

```
void student ::dispdata()
{
    cout<<"Name : " <<name<<"\n";
    cout<<"Rollno: " <<rollno<<"\n";
    cout<<"Marks: " <<m1<<m2<<m3<<"\n";
    cout<<"Total: " <<total<<"\n";

}

void main()
{
    student st[5];
    for (i=0;i<5;i++)
        st[i].getdata();
    for (i=0;i<5;i++)
        st[i].dispdata();
}
```