Lab 1 Array of object

```
#include<iostream>
using namespace std;

class books
{
char title[30];
float price;

public:

void getdata();
void putdata();

};

void books::getdata()
{
cout<<"Title:";
cin>>title;
cout<<"Price:";
cin>>price;
}

void books::putdata()
{
cout<<"Title:"<<title<<"\n";
cout<<"Price:"<<price<<"\n";
}

const int size=3;

int main()

{
    books book[size];

    for(int i=0;i<size;i++)
    {
    cout<<"Enter details book "<<(i+1)<<"\n";
    book[i].getdata();
    }

    for(int i=0;i<size;i++)
    {
    cout<<"\nBook "<<(i+1)<<"\n";
    book[i].putdata();
    }

    return 0;

}
```

C:\Users\user\Documents\arrayofobject.exe

```
Enter details book 1
Title:
```

This example requires user to enter 3 books and it will display the details.

Lab 2 Accessing array in objects

```
1  // This program demonstrates an array of class objects.
2  #include <iostream>
3  #include <iomanip>
4  #include "InventoryItem.h"
5  using namespace std;
6
7  int main()
8  {
9     const int NUM_ITEMS = 5;
10    InventoryItem inventory[NUM_ITEMS] = {
11                  InventoryItem("Hammer", 6.95, 12),
12                  InventoryItem("Wrench", 8.75, 20),
13                  InventoryItem("Pliers", 3.75, 10),
14                  InventoryItem("Ratchet", 7.95, 14),
15                  InventoryItem("Screwdriver", 2.50, 22) };
16
17    cout << setw(14) <<"Inventory Item"
18         << setw(8) << "Cost" << setw(8)
19         << setw(16) << "Units On Hand\n";
20    cout << "-------------------------------------\n";
21
22    for (int i = 0; i < NUM_ITEMS; i++)
23    {
24       cout << setw(14) << inventory[i].getDescription();
25       cout << setw(8) << inventory[i].getCost();
26       cout << setw(7) << inventory[i].getUnits() << endl;
27    }
28
29    return 0;
30 }
```

Program Output

```
Inventory Item    Cost  Units On Hand
-------------------------------------
        Hammer    6.95     12
        Wrench    8.75     20
        Pliers    3.75     10
       Ratchet    7.95     14
   Screwdriver     2.5     22
```

You need to create header for this program. This example is accessing an array of class object.