Program to Store Items in a File using Vector class

```cpp
#include<iostream>
#include<fstream>
#include<vector>
using namespace std;
class Item
{
private:
    string name;
    float price;
    int qty;
public:
    Item(){}
    Item(string n,float p,int q);
    friend ifstream & operator>>(ifstream &fis,Item &i);
    friend ofstream & operator<<(ofstream &fos,Item &i);
    friend ostream & operator<<(ostream &os,Item &i);

};
int main()
{
    int n;
    string name;
    float price;
    int qty;
    cout<<"Enter number of Item:";
    cin>>n;

    vector<Item *> list;
    cout<<"Enter All Item "<<endl;
    for(int i=0;i<n;i++)
    {
        cout<<"Enter "<<i+1<<" Item Name , price and quantity";
        cin>>name;
        cin>>price;
        cin>>qty;
        list.push_back(new Item(name,price,qty));

    }

    ofstream fos("Items.txt");
    vector<Item *>::iterator itr;

    for(itr=list.begin();itr!=list.end();itr++)
    {
        fos<<**itr;
    }
    Item item;
    ifstream fis("Items.txt");
```

```cpp
    for(int i=0;i<3;i++)
    {
        fis>>item;
        cout<<"Item "<<i<<endl<<item<<endl;
    }

}
Item::Item(string n,float p,int q)
{
    name=n;
    price=p;
    qty=q;
}
ofstream & operator<<(ofstream &fos,Item &i)
{
    fos<<i.name<<endl<<i.price<<endl<<i.qty<<endl;
    return fos;
}
ifstream & operator>>(ifstream &fis,Item &i)
{
    fis>>i.name>>i.price>>i.qty;
    return fis;
}
ostream & operator<<(ostream &os,Item &i)
{
    os<<i.name<<endl<<i.price<<endl<<i.qty<<endl;
    return os;
}
```