

# OOP Assignment - 07

## Sequential Files Operations

---

Name: Aagam Gadiya  
Division: SY - BTech-II

PRN: B24CE1118  
Batch: C

**PROBLEM STATEMENT :** Develop a system that defines inventory class with suitable data members and member functions. Perform read and write operations using class objects.

### CODE

```
#include <iostream>
#include <fstream>
#include <string>

using namespace std;

class inventory{
public:
    string name;
    int id, quantity;
    double price;

    void input(){
        cout<<"Enter item name: ";
        cin>>name;
        cout<<"Enter item id: ";
        cin >>id;
        cout<<"Enter number of items: ";
        cin>>quantity;
        cout<<"Enter price: ";
        cin>>price;
    }

    void display(){
        cout<<"---Item Details---"<<endl;
        cout<<"Item name: "<<name<<endl;
        cout<<"Item id: "<<id<<endl;
        cout<<"Number of item: "<<quantity<<endl;
```

```

        cout<<"Item price: "<<price<<endl;
    }

};

int main(){
    ofstream fout;
    inventory item[5];
    fout.open("File.txt",ios::out | ios::app);
    for(int i=0; i<5; i++){
        cout<<"\n\nEnter details for item "<<i+1<<endl;
        item[i].input();
        fout<<item[i].name<<" "<<item[i].id<<" "<<item[i].quantity<<"
"<<item[i].price<<endl;
    }
    fout.close();

    ifstream fin;
    fin.open("File.txt",ios::in);
    for(int i =0; i<5; i++){
        cout<<"\n\nDetails for item "<<i+1<<endl;
        item[i].display();
    }
    fin.close();
    return 0;
}

```

## OUTPUT

```
Enter details for item 1
Enter item name: pen
Enter item id: 3435
Enter number of items: 67
Enter price: 23343
```

```
Enter details for item 2
Enter item name: bat
Enter item id: 2354
Enter number of items: 23
Enter price: 544
```

```
Enter details for item 3
Enter item name: pouch
Enter item id: 5324
Enter number of items: 34
Enter price: 100
```

```
Enter details for item 4
Enter item name: Bottle
Enter item id: 3478
Enter number of items: 38
Enter price: 500
```

```
Enter details for item 5
Enter item name: watch
Enter item id: 5675
Enter number of items: 46
Enter price: 3245
```

```
Details for item 1
---Item Details---
Item name: pen
Item id: 3435
Number of item: 67
Item price: 23343
```

```
Details for item 2
---Item Details---
Item name: bat
Item id: 2354
Number of item: 23
Item price: 544
```

```
Details for item 3
---Item Details---
Item name: pouch
Item id: 5324
Number of item: 34
Item price: 100
```

```
Details for item 4
---Item Details---
Item name: Bottle
Item id: 3478
Number of item: 38
Item price: 500
```

```
Details for item 5
---Item Details---
Item name: watch
Item id: 5675
Number of item: 46
Item price: 3245
```

```
-----
(program exited with code: 0)
Press return to continue
```