

## ASSIGNMENT NO: 7

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

**PROGRAM:**

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

```
class inventory {
    private :
        int id;
        int price;
        string name;
        int quantity;
    public:
        void accept(){
            cout<<"\nenter the name: ";
            cin>>name;
            cout<<"\nenter the id: ";
            cin>>id;
            cout<<"\nEnter the price: ";
            cin>>price;
            cout<<"\nenter the quantity: ";
            cin>>quantity;

            cout<<"\n";
        }

        void display(){
            cout<<"Item Name :"<<name<<endl;
            cout<<"Item Id :"<<id<<endl;
            cout<<"Item Price :"<<price<<endl;
            cout<<"Item Quantity :"<<quantity<<endl;
```

```

        cout<<"\n";
    }
};

int main(){ //use array of objects
    ofstream file_obj[5];
    inventory obj[5];
    cout<<"\nEnter records: ";
    for(int i=0;i<5;i++){
        obj[i].accept();
        file_obj[i].open("input.txt");
        file_obj[i].write((char*)&obj,sizeof(obj));
        file_obj[i].close();
    }

    for(int i=0;i<5;i++){
        ifstream file_obj2;
        file_obj2.open("input.txt");
        file_obj2.read((char*)&obj,sizeof(obj));
        obj[i].display();
        file_obj2.close();
    }

    return 0;
}

```

Enter records:

enter the name: prince

enter the id: 123

Enter the price: 23

enter the quantity: 5

enter the name: gppt

|

enter the id: 33456

Enter the price: 56

enter the quantity: 78

enter the name: rty

enter the id: 564

Enter the price: 34

Enter the price: 34

enter the quantity: 65

enter the name: wer

enter the id: 125

Enter the price: 90

enter the quantity: 43

enter the name: mnb

enter the id: 8765

Enter the price: 21

enter the quantity: 43

Item Name :prince

Item Id :123

Item Price :23

Item Price :23  
Item Quantity :5

Item Name :gppt  
Item Id :33456  
Item Price :56  
Item Quantity :78

Item Name :rty  
Item Id :564  
Item Price :34  
Item Quantity :65

Item Name :wer  
Item Id :125  
Item Price :90  
Item Quantity :43

Item Name :mnb  
Item Id :8765  
Item Price :21  
Item Quantity :43

=== Code Execution Successful ===