

Assignment-7

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Batch - C

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

```
class inventory{
    string name;
    string ID;
    float price;
    int quantity;
```

```
public:
```

```
    void accept(){
        cout << "Enter item ID: ";
        cin >> ID;
```

```
        cout << "Enter name of the item: ";
        cin >> name;
```

```
        cout << "Enter price of the item: ₹";
        cin >> price;
```

```
        cout << "Enter quantity of the item: ";
        cin >> quantity;
    }
```

```
    void display(){
        cout << "Item ID: " << ID << endl;
        cout << "Item name: " << name << endl;
        cout << "Item price: " << price << endl;
        cout << "Item quantity: " << quantity << endl;
    }
```

```
};
int main(){
```

```

ofstream file_obj;

inventory obj1[5], obj2[5];
int n;

cout << "Enter the number of files you want to save: ";
cin >> n;

file_obj.open("Input.txt", ios::binary);

for(int i = 0; i < n; i++){
    obj1[i].accept();
    file_obj.write((char *)&obj1[i], sizeof(inventory));

    cout << endl;
}

file_obj.close();
ifstream file_obj2;
file_obj2.open("Input.txt", ios::binary);

for(int i = 0; i < n; i++){
    file_obj2.read((char *)&obj2[i], sizeof(inventory));
    obj2[i].display();
}

file_obj2.close();

return 0;
}

```

OUTPUT:-

Enter the number of files you want to save: 2

Enter item ID: 123

Enter name of the item: abc

Enter price of the item: ₹2000

Enter quantity of the item: 20

Enter item ID: 456

Enter name of the item: def

Enter price of the item: ₹5000

Enter quantity of the item: 30

Item ID:

Item name:

Item price: 1.4013e-45

Item quantity: 0

Item ID:

Item name:

Item price: 4.43892e-39

Item quantity: 0