ASSIGNMENT NO. 7

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

class Inventory {
public:
    char name[10];
    string id;
    int quantity;
    double price;

    void accept();
    void display();
};

void Inventory::accept() {
    cout << "Enter the name of item: ";
    cin >> name;
    cout << "Enter the ID: ";
    cin >> id;
    cout << "Enter the quantity of item: ";
    cin >> quantity;
    cout << "Enter the price per item: ";
    cin >> price;
}

void Inventory::display() {
    cout << "\nName: " << name;
    cout << "\nID of Item: " << id;
    cout << "\nQuantity: " << quantity;
    cout << "\nPrice: " << price;
    cout << "\nTotal Price: " << quantity * price << endl;
}

int main() {
    int n;
    cout << "Enter the number of items you want to add in Inventory: ";
    cin >> n;

    Inventory item[n];
    fstream file;

    file.open("Stock.txt", ios::out);
    if (!file) {
        cout << "Error opening file!" << endl;
        return 1;
    }

    cout << "\nEnter the details of " << n << " items:\n";
```

```
    for (int i = 0; i < n; i++) {
        cout << "\nItem " << i + 1 << ":\n";
        item[i].accept();
        file.write((char*)&item[i], sizeof(item[i]));
    }

    file.close();

    file.open("Stock.txt", ios::in);
    if (!file) {
        cout << "Error reopening file!" << endl;
        return 1;
    }

    cout << "\nDisplaying Information:\n";
    for (int i = 0; i < n; i++) {
        file.read((char*)&item[i], sizeof(item[i]));
        item[i].display();
    }

    file.close();
    return 0;
}
```

Output:

```
Enter the number of item you want to add in Inverntory : 2

Enter the detail of items :
Enter the name of item : LAPTOP
Enter the id : 1234
Enter the quantity of item : 1
Enter the Price Per item : 100000

Enter the name of item : PHONE
Enter the id : 4567
Enter the quantity of item : 2
Enter the Price Per item : 80000

Displaying Information:
Name : LAPTOP
ID  of Item : 1234
Quantity : 1
Price : 100000
Total Price : 100000

Name : PHONE
ID  of Item : 4567
Quantity : 2
Price : 80000
Total Price : 160000
```

Github: