**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 {**

**char name[20];**

**int itemId;**

**float quantity;**

**double price;**

**public:**

**void accept() {**

**cout << "Enter Item Name: ";**

**cin >> name;**

**cout << "Enter Item ID: ";**

**cin >> itemId;**

**cout << "Enter Quantity: ";**

**cin >> quantity;**

**cout << "Enter Price: ";**

**cin >> price;**

**}**

**void display() {**

**cout << "\nItem Details:\n";**

**cout << "Name: " << name << endl;**

**cout << "ID: " << itemId << endl;**

**cout << "Quantity: " << quantity << endl;**

**cout << "Price: " << price << endl;**

**}**

**};**

**int main() {**

**Inventory obj;**

**// Input item details**

**obj.accept();**

**// Write object to file**

**ofstream fout("inventory.dat", ios::binary);**

**fout.write((char\*)&obj, sizeof(obj));**

**fout.close();**

**// Read object from file**

**ifstream fin("inventory.dat", ios::binary);**

**fin.read((char\*)&obj, sizeof(obj));**

**fin.close();**

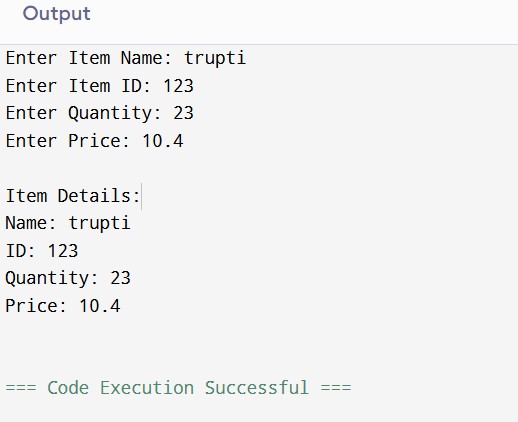
**// Display item details**

**obj.display();**

**return 0;**

**}**

**OUTPUT:**

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