

Answer on Question#38343- Programming, C++

1. Write a program in C++ to input the item code , item name, CP and SP of 10 items and then display this items list along with profit for each item. Profit is calculated as SP-CP. Write and us a class ITEM in this program.

Solution.

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

class item
{
public:
    int itemCode;
    string itemName;
    double CP, SP;
};

int main()
{
    item it[10];

    for(int i=0; i<10; i++)
    {
        cout<<"Enter item code: "; cin>>it[i].itemCode;
        cout<<endl<<"Enter item name: "; cin>>it[i].itemName;
        cout<<endl<<"Enter CP: "; cin>>it[i].CP;
        cout<<endl<<"Enter SP: "; cin>>it[i].SP;
    }

    //Display
    for(int i=0; i<10; i++)
    {
        double dResult=it[i].SP-it[i].CP;
        cout<<"item code: "<<it[i].itemCode<<"    "; cout<<"item name:
"<<it[i].itemName<<"    ";
        cout<<"CP: "<<it[i].CP<<"    "; cout<<"SP: "<<it[i].SP<<"    ";
        cout<<"SP - CP: "<<dResult<<endl;
    }

    cin>>it[0].CP;
    return 0;
}
```

```
d:\Projects\qqq\Debug\qqq.exe
item code: 0    item name: A    CP: 0    SP: 0    SP - CP: 0
item code: 3    item name: B    CP: 2.58    SP: 3.32    SP - CP: 0.74
item code: 6    item name: C    CP: 5.16    SP: 6.64    SP - CP: 1.48
item code: 9    item name: D    CP: 7.74    SP: 9.96    SP - CP: 2.22
item code: 12   item name: E    CP: 10.32   SP: 13.28   SP - CP: 2.96
item code: 15   item name: F    CP: 12.9    SP: 16.6    SP - CP: 3.7
item code: 18   item name: G    CP: 15.48   SP: 19.92   SP - CP: 4.44
item code: 21   item name: H    CP: 18.06   SP: 23.24   SP - CP: 5.18
item code: 24   item name: I    CP: 20.64   SP: 26.56   SP - CP: 5.92
item code: 27   item name: J    CP: 23.22   SP: 29.88   SP - CP: 6.66
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```