

```
1 using System;
2 using zhuang_c_sharp;
3
4 namespace Test1
5 {
6     class Program
7     {
8         static void Main(string[] args)
9         {
10             List<drink> drinks = new List<drink>();
11             List<order> orders = new List<order>();
12             menuCreate(drinks);
13             menuPrint(drinks);
14             menuPost(drinks, orders);
15             menuCount(orders);
16         }
17
18         private static void menuCount(List<order> orders)
19         {
20             double total = 0.0;
21             string message = "";
22             double sellPrice = 0.0;
23
24             foreach (order order in orders)
25             {
26                 total += order.subtotal;
27             }
28
29             if (total >= 500)
30             {
31                 message = "訂單滿500元以上者8折";
32                 sellPrice = total * 0.8;
33             }
34             else if (total >= 300)
35             {
36                 message = "訂單滿300元以上者85折";
37                 sellPrice = total * 0.85;
38             }
39             else if (total >= 200)
40             {
41                 message = "訂單滿200元以上者9折";
42                 sellPrice = total * 0.9;
43             }
44             else
45             {
46                 message = "訂單未滿200元不打折";
47                 sellPrice = total;
48             }
49
50             Console.WriteLine();
51             Console.WriteLine($"您總共訂購了{orders.Count}個品項，總金額為{total}元， {message}");
52             Console.WriteLine(message);
```

```
53         Console.WriteLine($"折扣後金額為{sellPrice:C2}"); // C2 意思為 $
54     }
55
56     private static void menuPost(List<drink> drinks, List<order> orders)
57     {
58         int idpoint, id, quantity, subtotal;
59         string s;
60         while (true)
61         {
62             Console.WriteLine("請輸入編號:");
63             s = Console.ReadLine();
64             if (s == "x")
65             {
66                 Console.WriteLine("歡迎再光臨!");
67                 return;
68             }
69             id = Convert.ToInt32(s);
70             if (id < 0 || id >= drinks.Count)
71             {
72                 Console.WriteLine("請輸入正確編號!");
73                 Console.WriteLine
74                     ("-----");
75                 continue; // 回到迴圈的開始
76             }
77             else
78             {
79                 id = Convert.ToInt32(s);
80             }
81
82
83             Console.WriteLine("請輸入數量");
84             s = Console.ReadLine();
85             if (s == "x")
86             {
87                 Console.WriteLine("歡迎再光臨!");
88                 return;
89             }
90             else
91             {
92                 quantity = Convert.ToInt32(s);
93                 subtotal = quantity * drinks[id].price;
94                 Console.WriteLine($"您購買了{drinks[id].name}，{quantity}杯，一杯
95                     {drinks[id].price}元!");
96                 orders.Add(new order { id = id, quantity = quantity, subtotal =
97                     subtotal });
98                 Console.WriteLine
99                     ("-----");
100             }
101         }
102     }
103
104     private static void menuPrint(List<drink> drinks)
```

```
102     {
103         Console.WriteLine("以下是我們的飲料菜單哦~");
104         Console.WriteLine("{0,-5}{1,-7}{2,-5}{3,-5}", "編號", "名稱", "大小", "價
錢");
105         Console.WriteLine
            ("-----");
106         int i = 0;
107         foreach (drink drink in drinks)
108         {
109             Console.WriteLine($"{i,-7}{drink.name,-7}{drink.size,-5}
{drink.price,-5}");
110             Console.WriteLine
                ("-----");
111             i++;
112         }
113     }
114
115     private static void menuCreate(List<drink> myDrinkArr)
116     {
117         myDrinkArr.Add(new drink() { name = "咖啡", size = "大杯", price = 60 });
118         myDrinkArr.Add(new drink() { name = "咖啡", size = "中杯", price = 50 });
119         myDrinkArr.Add(new drink() { name = "紅茶", size = "大杯", price = 30 });
120         myDrinkArr.Add(new drink() { name = "紅茶", size = "中杯", price = 20 });
121         myDrinkArr.Add(new drink() { name = "綠茶", size = "大杯", price = 25 });
122         myDrinkArr.Add(new drink() { name = "綠茶", size = "中杯", price = 20 });
123     }
124 }
125 }
```