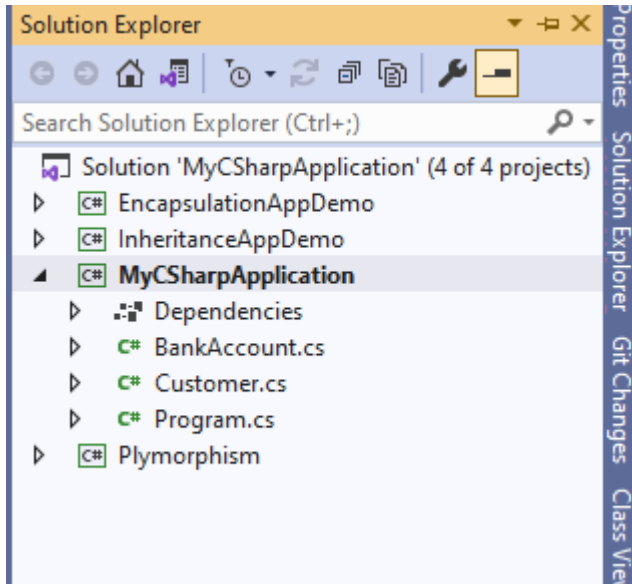


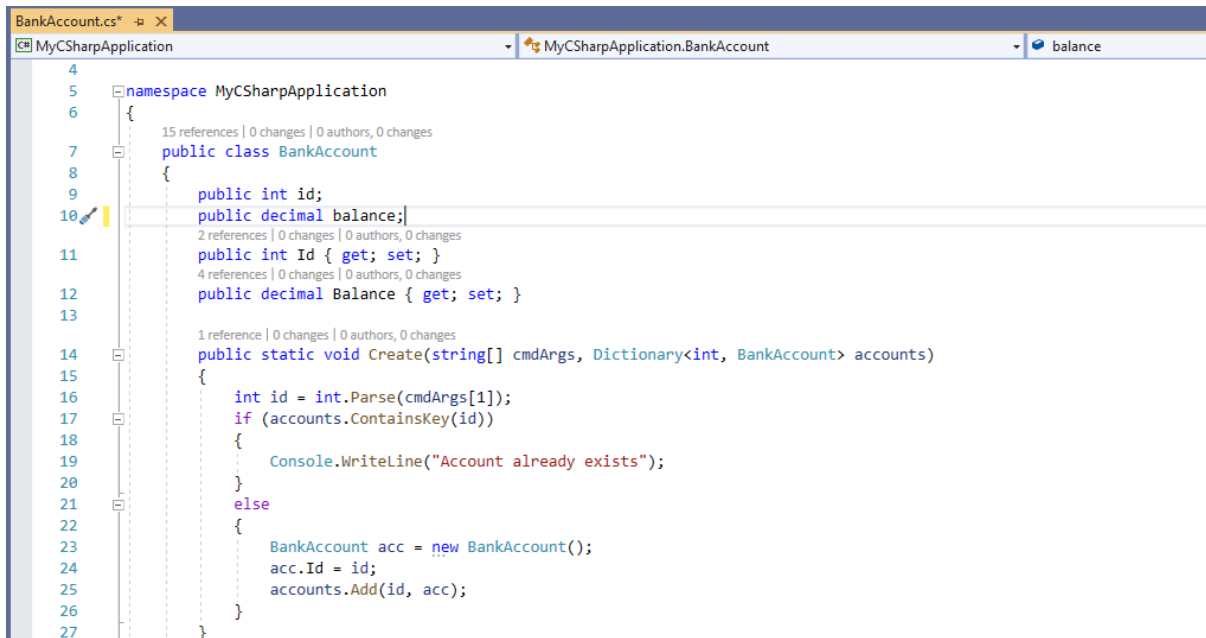
CSharp Bank Application

Yêu cầu: Viết lại chương trình. Phát triển tính năng để biết tài khoản(Account) là của khách hàng nào(Customer)

Tạo chương trình với cấu trúc sau (My CSharpApplication)



BankAccount.cs class



```

28 1 reference | 0 changes | 0 authors, 0 changes
29 public static void Deposit(string[] cmdArgs, Dictionary<int, BankAccount> accounts)
30 {
31     int id = int.Parse(cmdArgs[1]);
32     decimal amount = decimal.Parse(cmdArgs[2]);
33     if (!accounts.ContainsKey(id))
34     {
35         Console.WriteLine("Account does not exist");
36     }
37     else
38     {
39         accounts[id].Balance += amount;
40     }
41 }

41 1 reference | 0 changes | 0 authors, 0 changes
42 public static void Withdraw(string[] cmdArgs, Dictionary<int, BankAccount> accounts)
43 {
44     int id = int.Parse(cmdArgs[1]);
45     decimal amount = decimal.Parse(cmdArgs[2]);
46     if (!accounts.ContainsKey(id))
47     {
48         Console.WriteLine("Account does not exist");
49     }
50     else if (amount > accounts[id].Balance)
51     {
52         Console.WriteLine("Insufficient balance");
53     }
54     else
55     {
56         accounts[id].Balance -= amount;
57     }
58 }

59 1 reference | 0 changes | 0 authors, 0 changes
60 public static void Print(string[] cmdArgs, Dictionary<int, BankAccount> accounts)
61 {
62     int id = int.Parse(cmdArgs[1]);
63     if (!accounts.ContainsKey(id))
64     {
65         Console.WriteLine("Account does not exist");
66     }
67     else
68     {
69         Console.WriteLine($"Account ID{accounts[id].Id}, balance {accounts[id].Balance:f2}");
70     }
71 }
72 }
73
74
75

```

Program.cs class

```
Program.cs
MyCSharpApplication
MyCSharpApplication.Program
Main(string[] args)

4
5 namespace MyCSharpApplication
6 {
7     0 references | 0 changes | 0 authors, 0 changes
8     class Program
9     {
10         0 references | 0 changes | 0 authors, 0 changes
11         public static void Main(string[] args)
12         {
13             string[] commands = Console.ReadLine()
14                 .Split(" ", StringSplitOptions.RemoveEmptyEntries)
15                 .Select(e => e.ToLower())
16                 .ToArray();
17
18             Dictionary<int, BankAccount> accounts = new Dictionary<int, BankAccount>();
19
20             while (commands[0] != "end")
21             {
22                 if (commands[0] == "create")
23                 {
24                     BankAccount.Create(commands, accounts);
25                 }
26                 else if (commands[0] == "deposit")
27                 {
28                     BankAccount.Deposit(commands, accounts);
29                 }
30                 else if (commands[0] == "withdraw")
31                 {
32                     BankAccount.Withdraw(commands, accounts);
33                 }
34                 else if (commands[0] == "print")
35                 {
36                     BankAccount.Print(commands, accounts);
37                 }
38                 commands = Console.ReadLine()
39                     .Split(" ", StringSplitOptions.RemoveEmptyEntries)
40                     .Select(e => e.ToLower())
41                     .ToArray();
42             }
43         }
44     }
45 }
```

Customer.cs class

```
Customer.cs
MyCSharpApplication
MyCSharpApplication.Customer
Customer(string name, i

1 using System;
2 using System.Collections.Generic;
3 using System.Text;
4
5 namespace MyCSharpApplication
6 {
7     1 reference | 0 changes | 0 authors, 0 changes
8     public class Customer
9     {
10         private string name;
11         private int age;
12         private List<BankAccount> accounts;
13
14         0 references | 0 changes | 0 authors, 0 changes
15         public Customer(string name, int age, List<BankAccount> accounts)
16         {
17             this.name = name;
18             this.age = age;
19             this.accounts = new List<BankAccount>();
20         }
21     }
22 }
```