

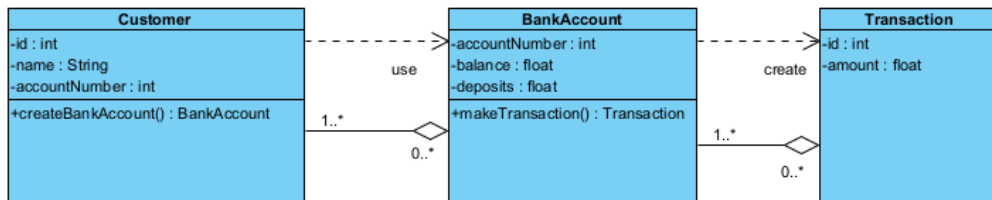


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Activity: WS22 – AppliedOOP





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The image shows a screenshot of the Visual Studio Code editor with two files open. The top file is `Program.cs`, which contains the main logic of the application. The bottom file is `BankAccount.cs`, which defines the `BankAccount` class.

Program.cs

```
1 namespace CSProject // Note: actual namespace depends on the project name.
2 {
3     0 references
4     internal class Program
5     {
6         0 references
7         static void Main(string[] args)
8         {
9             Console.WriteLine("Hello World!");
10
11             Console.WriteLine("Enter the Id");
12             int id=Convert.ToInt32(Console.ReadLine());
13             Console.WriteLine("Enter your Name");
14             string name=Console.ReadLine();
15             Console.WriteLine("Enter the account number");
16             int accountNumber=Convert.ToInt32(Console.ReadLine());
17
18             Customer customer1 = new Customer(id,name,accountNumber);
19             Console.WriteLine("\n" + customer1.print());
20 }
21
22
```

BankAccount.cs

```
1 using System;
2
3 namespace CSProject.model
4 {
5     1 reference
6     public class BankAccount
7     {
8         3 references
9         private int accountNumber;
10        1 reference
11        private float balance;
12        1 reference
13        private float deposit;
14
15        0 references
16        public BankAccount(int accountNumber, float balance, float deposit)
17        {
18            this.accountNumber=accountNumber;
19            this.balance=balance;
20            this.deposit=deposit;
21        }
22    }
23 }
```

Terminal Output:

```
1
Enter your Name
Fredo
Enter the account number
123456

Id: 1, Name: Fredo, Account Number: 123456
PS C:\Users\Frederick\Desktop\Repo\CSProject>
```



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```
C# Program.cs C# Transaction.cs X C# BankAccount.cs C# Custom
model > C# Transaction.cs > Transaction > .ctor
1 using System;
2
3 namespace CSProyect.model
4 {
5     1 reference
6     public class Transaction
7     {
8         3 references
9         private int id;
10        1 reference
11        private float ammount;
12
13        0 references
14        public Transaction(int id, float ammount)
15        {
16            this.id=id;
17            this.ammount=ammount;
18        }
19
20        0 references
21        public int Id
22        {
23            get{return id;}
24        }
25    }
26 }

C# Program.cs C# menus.cs C# Transaction.cs C# BankAccount.cs C# Customer.cs X
Model > C# Customer.cs > Customer
1 using System;
2
3 namespace CSProyect.model
4 {
5     1 reference
6     public class Customer
7     {
8         3 references
9         private int id;
10        3 references
11        private string name;
12        3 references
13        private int accountNumber;
14
15        0 references
16        public string print()
17        {
18            return "Id: " + Id + ", Name: " + Name + ", Account Number: " + AccountNumber;
19        }
20    }
21 }
22
23 0 references
24 
```