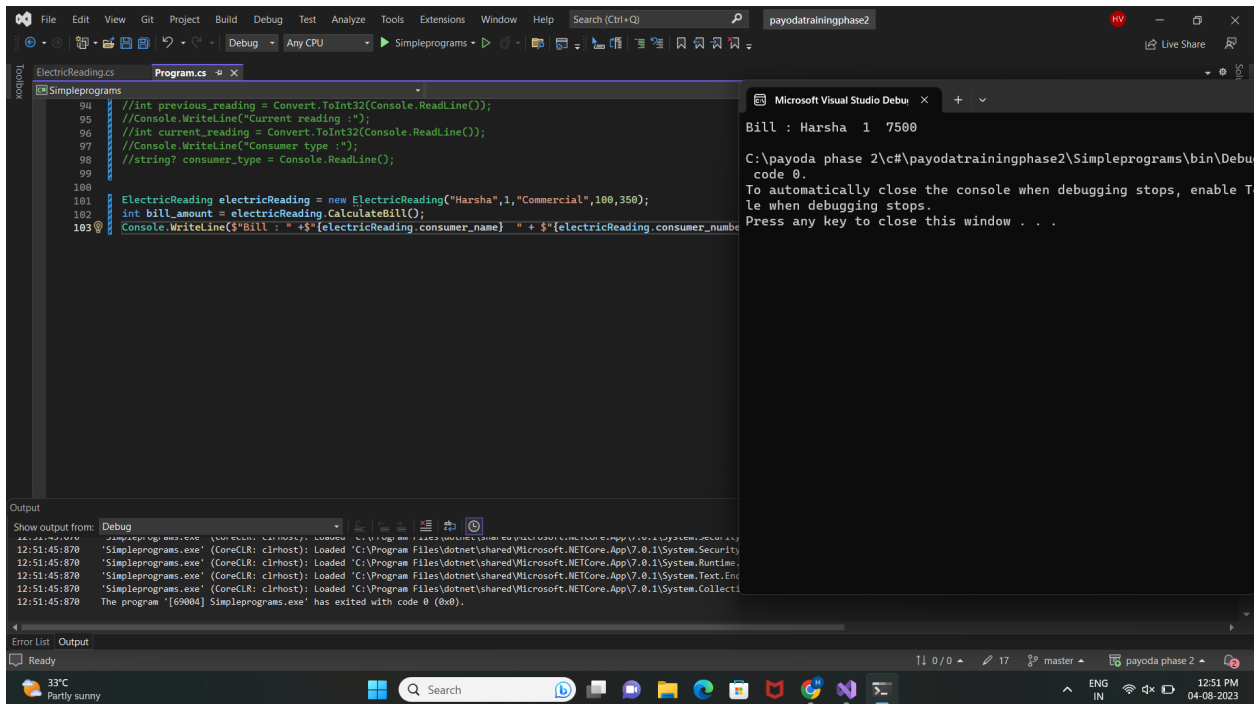


Payoda-Phase2 - Day05

c#

- In c# We have created a program for **electricity bills**.



The screenshot displays the Microsoft Visual Studio IDE with a C# program named `ElectricReading.cs` in the `Program.cs` file. The code defines an `ElectricReading` class and a `CalculateBill` method. The `main` method creates an instance of `ElectricReading` with the name "Harsha", a consumer type of "Commercial", and a previous reading of 100.350. It then calls `CalculateBill` and prints the result.

```
94 //int previous_reading = Convert.ToInt32(Console.ReadLine());
95 //Console.WriteLine("Current reading :");
96 //int current_reading = Convert.ToInt32(Console.ReadLine());
97 //Console.WriteLine("Consumer type :");
98 //string? consumer_type = Console.ReadLine();
99
100
101 ElectricReading electricReading = new ElectricReading("Harsha",1,"Commercial",100,350);
102 int bill_amount = electricReading.CalculateBill();
103 Console.WriteLine($"Bill : {consumer_name} {bill_amount}");
```

The `Microsoft Visual Studio Debug Console` shows the output of the program:

```
Bill : Harsha 1 7500
C:\payoda phase 2\c#\payodatrainphase2\Simpleprograms\bin\Debug
code 0.
To automatically close the console when debugging stops, enable T
le when debugging stops.
Press any key to close this window . . .
```

The `Output` window shows the debug output, including the program's exit message:

```
12:51:45:870 'Simpleprograms.exe' (CoreCLR: clrhost): Loaded 'C:\Program Files\dotnet\shared\Microsoft.NETCore.App\7.0.1\System.Security
12:51:45:870 'Simpleprograms.exe' (CoreCLR: clrhost): Loaded 'C:\Program Files\dotnet\shared\Microsoft.NETCore.App\7.0.1\System.Runtime
12:51:45:870 'Simpleprograms.exe' (CoreCLR: clrhost): Loaded 'C:\Program Files\dotnet\shared\Microsoft.NETCore.App\7.0.1\System.Text.Enc
12:51:45:870 'Simpleprograms.exe' (CoreCLR: clrhost): Loaded 'C:\Program Files\dotnet\shared\Microsoft.NETCore.App\7.0.1\System.Collecti
The program '[69084] Simpleprograms.exe' has exited with code 0 (0x0).
```

- In c# We have created a program for **bank deposit, withdrawal and balance**.

```
BankAccount.cs ElectricReading.cs Program.cs
SimplePrograms
95 //Console.WriteLine("Current reading :");
96 //int current_reading = Convert.ToInt32(Console.ReadLine());
97 //Console.WriteLine("Consumer type :");
98 //string? consumer_type = Console.ReadLine();
99
100 //ElectricReading electricReading = new ElectricReading("Harsha",1,"Commercial",100,350);
101 //int bill_amount = electricReading.CalculateBill();
102 //Console.WriteLine($"Bill : " + $"{electricReading.Consumer_name} " + $"{electricReading.Co
103
104
105 //
106
107
108 Console.WriteLine("Enter Account Number");
109 int account_number = Convert.ToInt32(Console.ReadLine());
110 Console.WriteLine("Enter Account Holder Number");
111 string? account_holder_name = Console.ReadLine();
112 double amount = 0;
113 int option = 0;
114 BankAccount bankAccount = new BankAccount(account_number, account_holder_name);
115 while (option != 4)
116 {
117     Console.WriteLine("Choose the option\n1.Deposit Amount\n2.Withdraw Amount\n3.Display Account Details\n4.Exit");
118     option = Convert.ToInt32(Console.ReadLine());
119     if (option == 1)
120     {
121         Console.WriteLine("Enter the amount to be deposit");
122         amount = Convert.ToDouble(Console.ReadLine());
123         bankAccount.Deposit(amount);
124         Console.WriteLine("Successfully deposited, available balance 5000rupees");
125     }
126     else if (option == 2)
127     {
128         Console.WriteLine("Enter the amount to be withdraw");
129         amount = Convert.ToDouble(Console.ReadLine());
130         bankAccount.Withdraw(amount);
131         Console.WriteLine("Successfully withdrawn, available balance 2000rupees");
132     }
133     else if (option == 3)
134     {
135         Console.WriteLine("Account holder name : Harsha varthan Account number :1122334455 balance :");
136     }
137     else if (option == 4)
138     {
139         Console.WriteLine("Choose the option");
140     }
141 }
```

Enter Account Number
1122334455
Enter Account Holder Number
Harsha varthan
Choose the option
1.Deposit Amount
2.Withdraw Amount
3.Display Account Details
4.Exit
1
Enter the amount to be deposit
5000
Successfully deposited, available balance 5000rupees
Choose the option
1.Deposit Amount
2.Withdraw Amount
3.Display Account Details
4.Exit
2
Enter the amount to be withdraw
2000
Successfully withdrawn, available balance 2000rupees
Choose the option
3
Account holder name : Harsha varthan Account number :1122334455 balance :
Choose the option

- In c# We have created a program for borrowing **books,returning and displaying the books from the library** .

