

Lab: C# Intro and Basic Syntax

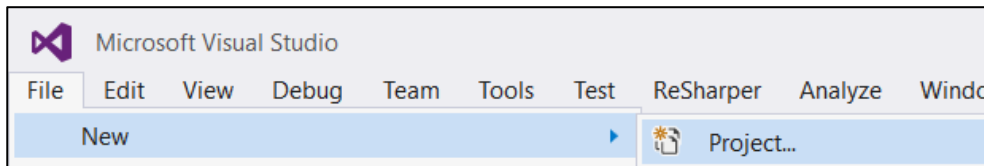
Problems for exercises and homework for the [“Programming Fundamentals Extended” course @ SoftUni](#).

Problem 1. Greeting

Write a program, which **greet**s the user by their **name**, which it **reads** from the **console**.

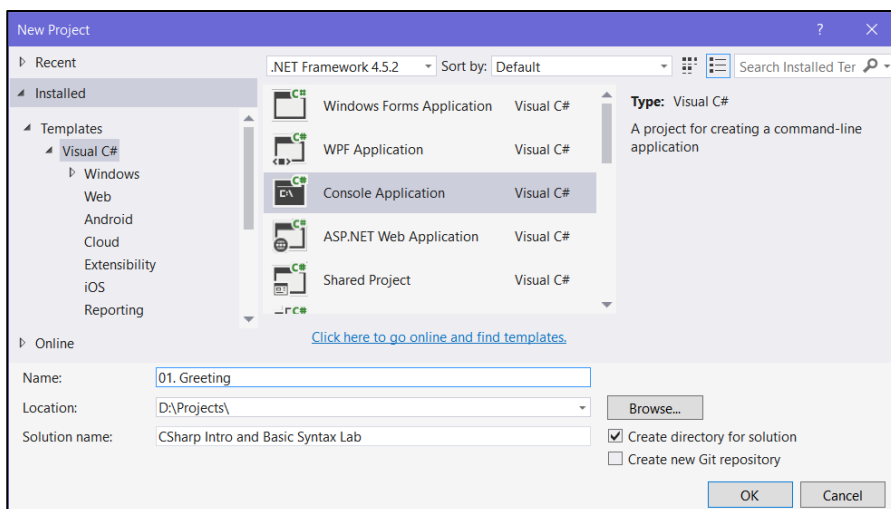
Step 1. Create a New C# Project, using Visual Studio

Open **Visual Studio** and create a new project by going into **[File → New → Project]**:



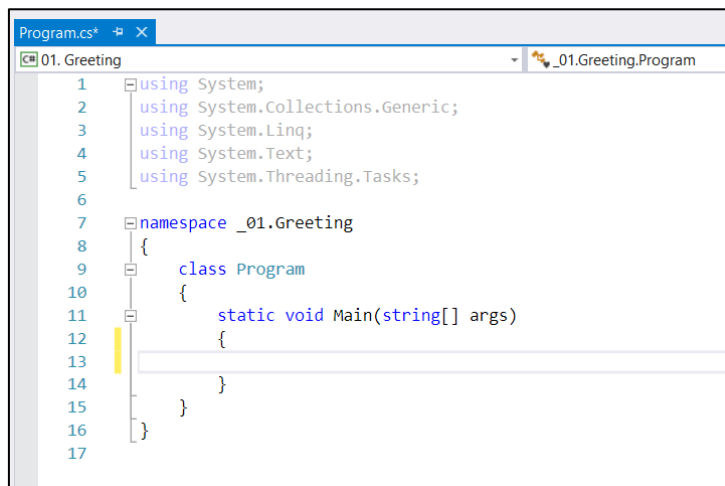
After that, the project creation window will open.

Select **Visual C#**, then **Console Application** and name it appropriately:

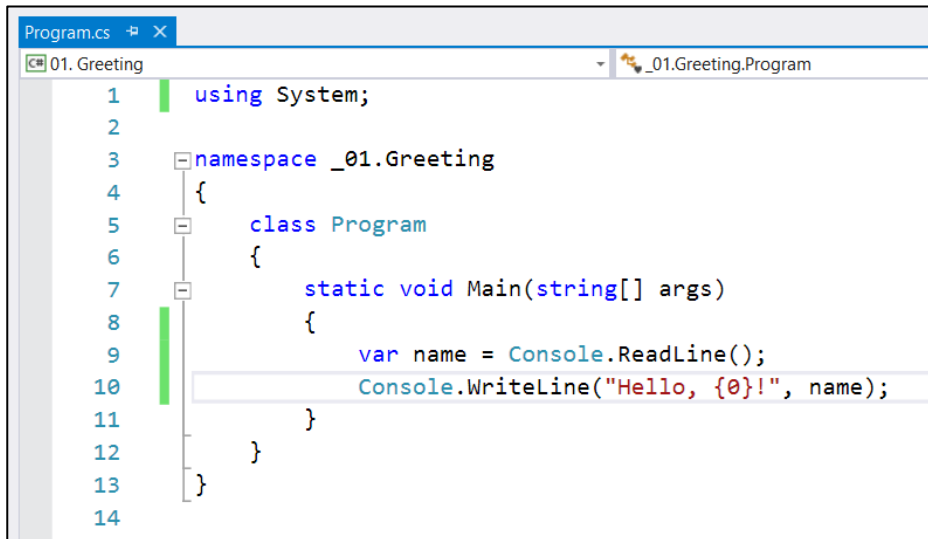


Step 2. Write the Program Logic

A new file opens in the editor, which looks like this:



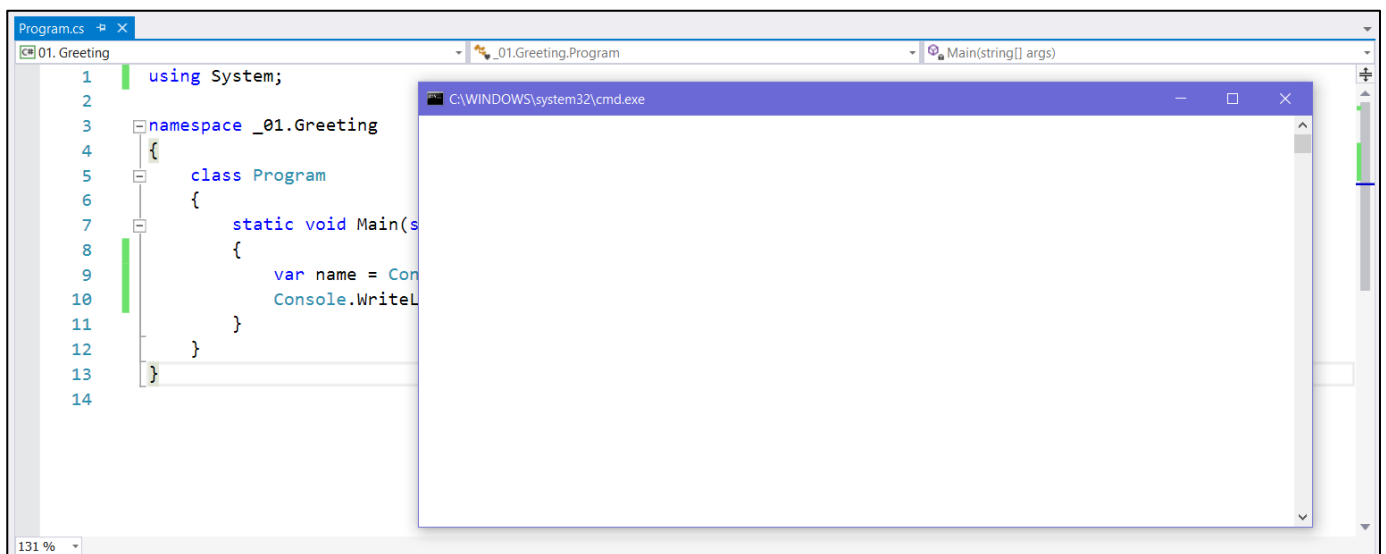
Let's write the program logic. We want to **read** a name and then **print** that name with some additional text on the **console**. To accomplish this, we'll use **Console.ReadLine()** and **Console.WriteLine()**:



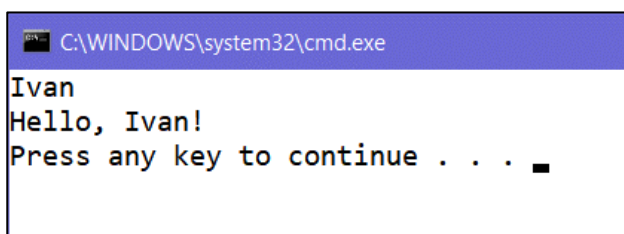
```
1  using System;
2
3  namespace _01.Greeting
4  {
5      class Program
6      {
7          static void Main(string[] args)
8          {
9              var name = Console.ReadLine();
10             Console.WriteLine("Hello, {0}!", name);
11         }
12     }
13 }
14
```

Step 3. Test the Program

After we wrote the program logic, we can **start** our program, using **[Ctrl+F5]**:



Let's **type in** a name and see if it works:



If you followed all the steps correctly, you should be greeted by your program! Submit the code in **Judge** and test if it works correctly.

Examples

Input	Output
Pesho	Hello, Pesho!
Ivan	Hello, Ivan!
Merry	Hello, Merry!

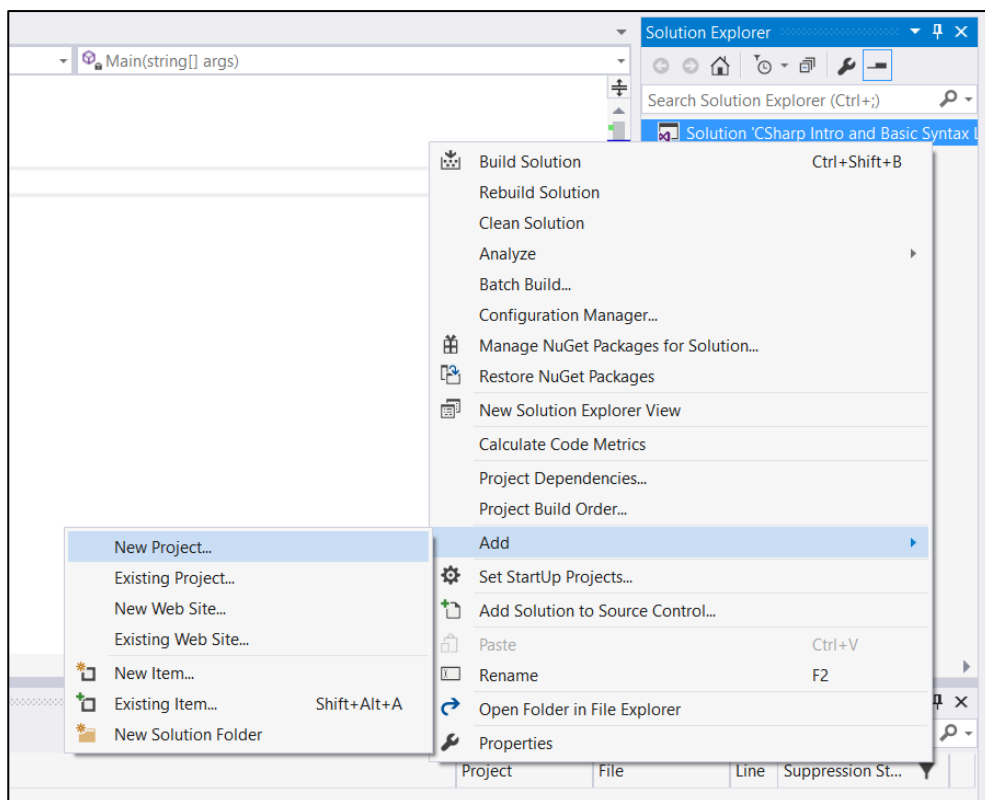
Problem 2. Add Two Numbers

Write a program, which **reads 2 whole numbers** and **adds** them together. Then, print them in the following format:

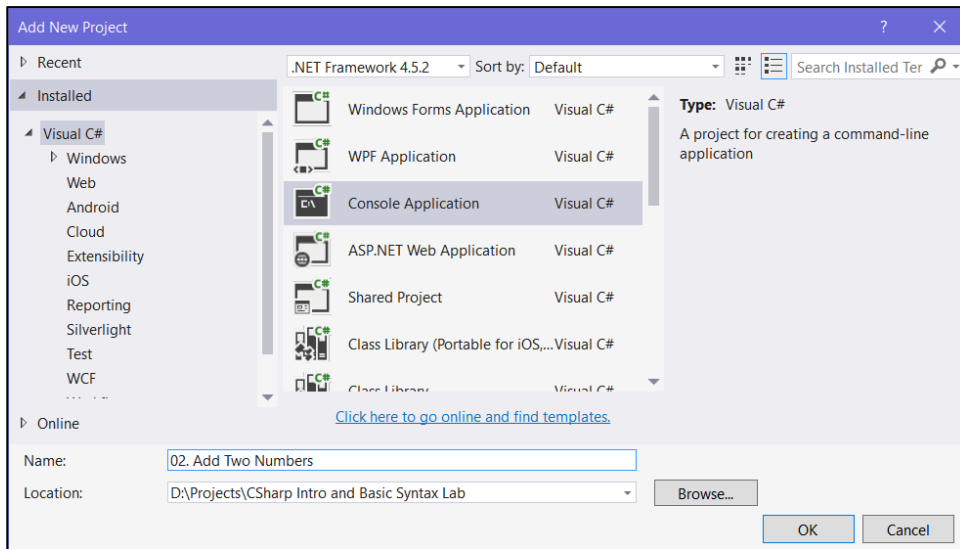
- **"a + b = sum"**

Step 1. Create a New C# Project Inside the Solution

In **Visual Studio**, create a new project in our **current solution** by **right clicking the solution** in the **Solution Explorer** and navigating to **[Add → New Project...]**:

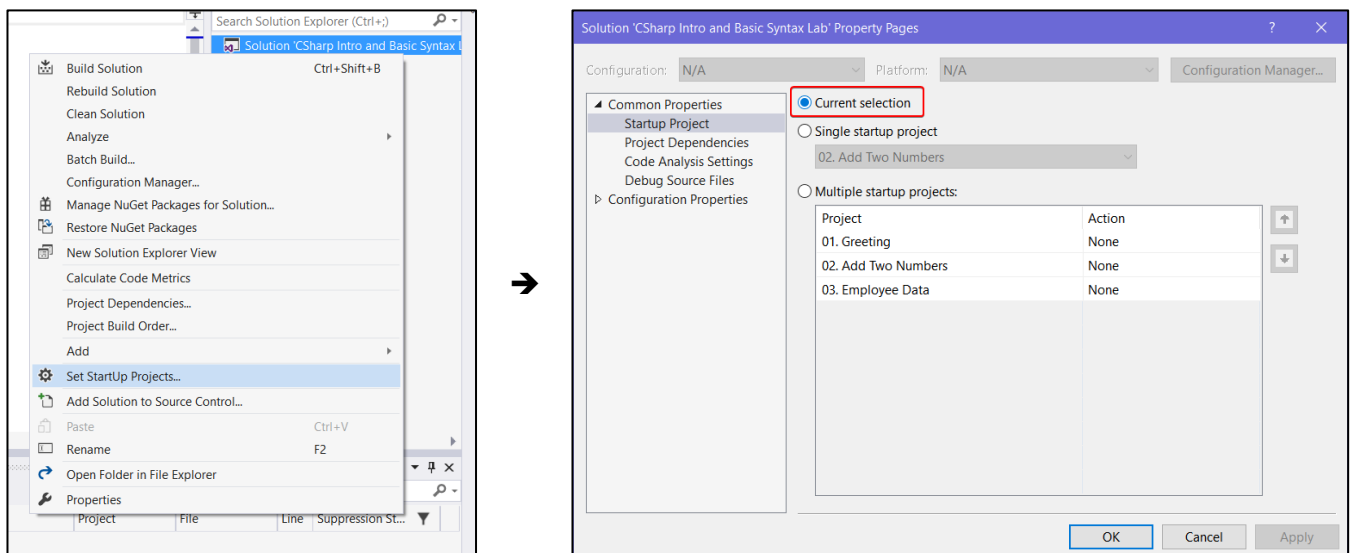


After that, name it appropriately and hit **[OK]**:



Step 2. Change the Startup Project

Now that you've created a new project inside the solution, you need to **set the startup project to the currently selected project**, otherwise whenever you hit **[Ctrl+F5]**, the **previous problem** will start. So **right click the solution** and hit **"Set Startup Projects"**:



Now we're ready to write our logic.

Examples

Input	Output
2 5	2 + 5 = 7
1 3	1 + 3 = 4
-3 5	-3 + 5 = 2

Problem 3. Employee Data

Write a program to read **data** about an **employee** and print it on the console with the appropriate formatting. The order the input comes in is as such:

- Name – **no** formatting
- Age – **no** formatting
- Employee ID – **8-digit padding** (employee id 356 is 00000356)
- Monthly Salary – formatted to **2 decimal places** (2345.56789 becomes 2345.56)

Examples

Input	Output
Ivan 24 1192 1500.353	Name: Ivan Age: 24 Employee ID: 00001192 Salary: 1500.35
Peter 30 113236 1738.1112	Name: Peter Age: 30 Employee ID: 00113236 Salary: 1738.11
Naiden 27 1111222 3560	Name: Naiden Age: 27 Employee ID: 01111222 Salary: 3560.00

Hints

- You can use “D” and “F” to format numbers in C#. You can read more about formatting strings [here](#).