

Homework 01: Visual Studio Software Installation & GitHub Account Setup

Goals:

1. Install **Visual Studio .NET** : Go to <https://www.visualstudio.com/en-us/products/visual-studio-community-vs.aspx> (Links to an external site.) and install the latest **Visual Studio Community Edition 2013 or 2015**. The installation takes an hour and you can do that later if do not have it done yet. For now, just follow the instructor for the next steps.
2. Install **git**, **git-extensions**, **git-credentials** win store. Go to <http://www.cstructor.com/Home/Notes?classId=40&sequence=10> for additional instructions.
3. Get familiar with **Visual Studio Environment** and **git**.
4. Learn how to post your assignments and source codes into a designated folder in **github**.

Tasks:

1. Set up your **GitHub** account per the Installing Source Control page.
2. Use **Visual Studio** to create a “Hello World” console application
 1. Run **Visual Studio**.
 2. In **Visual Studio**, create a new project inside the Homework1 folder you created Call the new project “HelloWorld”.
 1. File>New>Project...
 2. Make sure you are using the C# installed By default, you are probably using Visual Basic (VB)
 3. Select “Console Application” in the “New Project” wizard
 4. Change the “Name” field from “ConsoleApplication1” to “HomeWork1”
 5. Change the “Location” field to the Homework1 folder inside your personal folder in your local copy of the class git repository (e.g. “D:\GitHub\...\Dave.Michaels\Homework1”)
3. Using **gitex**, commit this “skeleton” program with the commit message “Baseline”, so that the changes you actually make will be easier to review
4. Make your program say “Hello World!”
5. In the “Main(string[] args)” method of cs, use the builtin Console.WriteLine() method to print the text “Hello World!”.
6. Notice that if you start typing “Con” inside that method, a dropdown list of suggestions will appear, with “Console” This dropdown list of suggestions is a feature of Visual Studio called “IntelliSense”.
7. Just press the Enter key to accept the highlighted

8. Notice that, when you type "." (a period) and then "w" (the first letter of "WriteLine") after the word "Console", IntelliSense will again pop up, with "WriteLine"
9. Again, press Enter to accept the highlighted
10. Put the words you want to print out inside the parentheses after "WriteLine". You need to enclose the words in doublequotes to tell C# that they should be treated as a literal sequence of characters, or "string".
11. On the next line, call the **"ReadLine"** method of This will cause your program to pause until you press a key, giving you time to read the output.
12. Test your program by running
 1. Press the "F5" key, or click the green arrow next to "Start" at the top of the window, to run your
 2. Check that your program displays "Hello World!", and then pauses until you hit any key before
13. In gitex, commit your finished Make the summary something like "Got it working!" or "Yay! Homework 1 complete!". Congratulations!
14. Push your local repository with the shared repository on Github to submit your homework assignment.