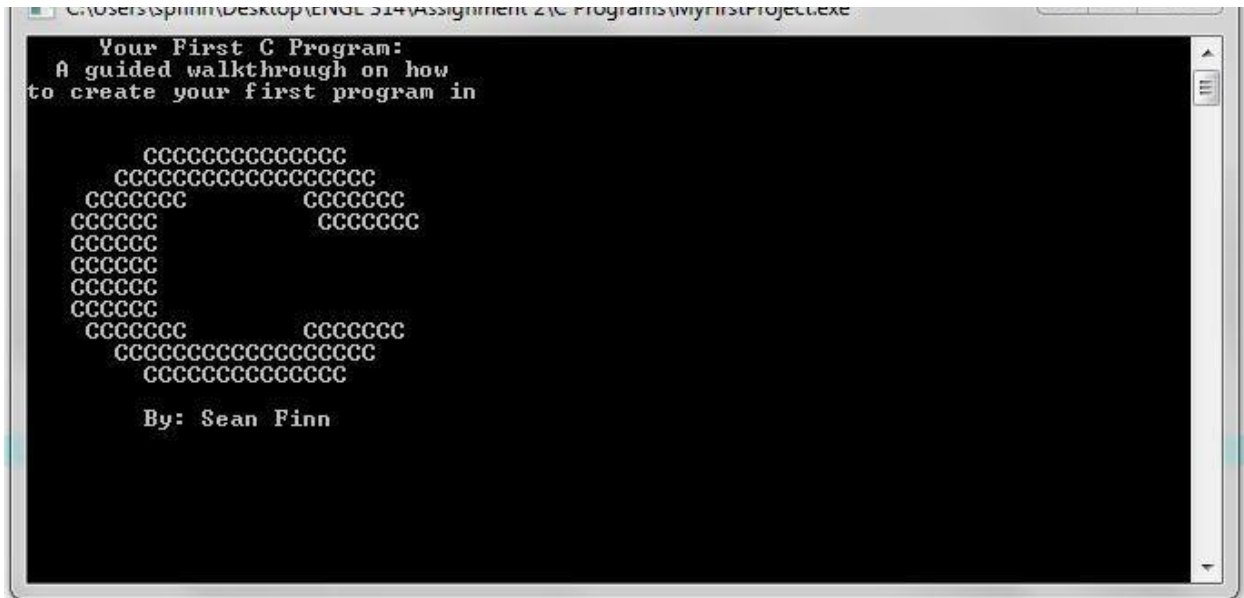


# Your First Program in C

## Introduction: Your First Program in C



This tutorial will help you create your first program in the C programming language.

Here is what you will need:

### **Windows 7 Operating System (or other)**

In this tutorial, you will be walked through creating your program using a Windows 7 Operating system. Most of what you will be doing will be able to translate over the different versions of Windows, however for older versions of Windows you may have to download a different version of the software. If you do not have a Windows 7 or other Windows based system, you may want to consider running a virtual machine on your computer running either a Windows operating system or a Linux operating system. Tutorials on how to do this can be found on Google.

### **Dev-C++**

This is a free piece of software you will be using in this tutorial to create your program. It requires either a Windows based system or a Linux based system to run. If you do not have one of these, there are clients online that will allow you to run a virtual machine that

runs either of these systems. This tutorial will go over how to download and install this program to your computer.

## Step 1: Download Dev/C++



For this section, I am running on a Windows 7 operating system. If you are on a different operating system, the steps may be similar, but make sure that you download the correct version of the software.

### 1. Go to Download Site

Follow this link to take you to the website to download the software: <http://www.bloodshed.net/dev/devcpp.html>

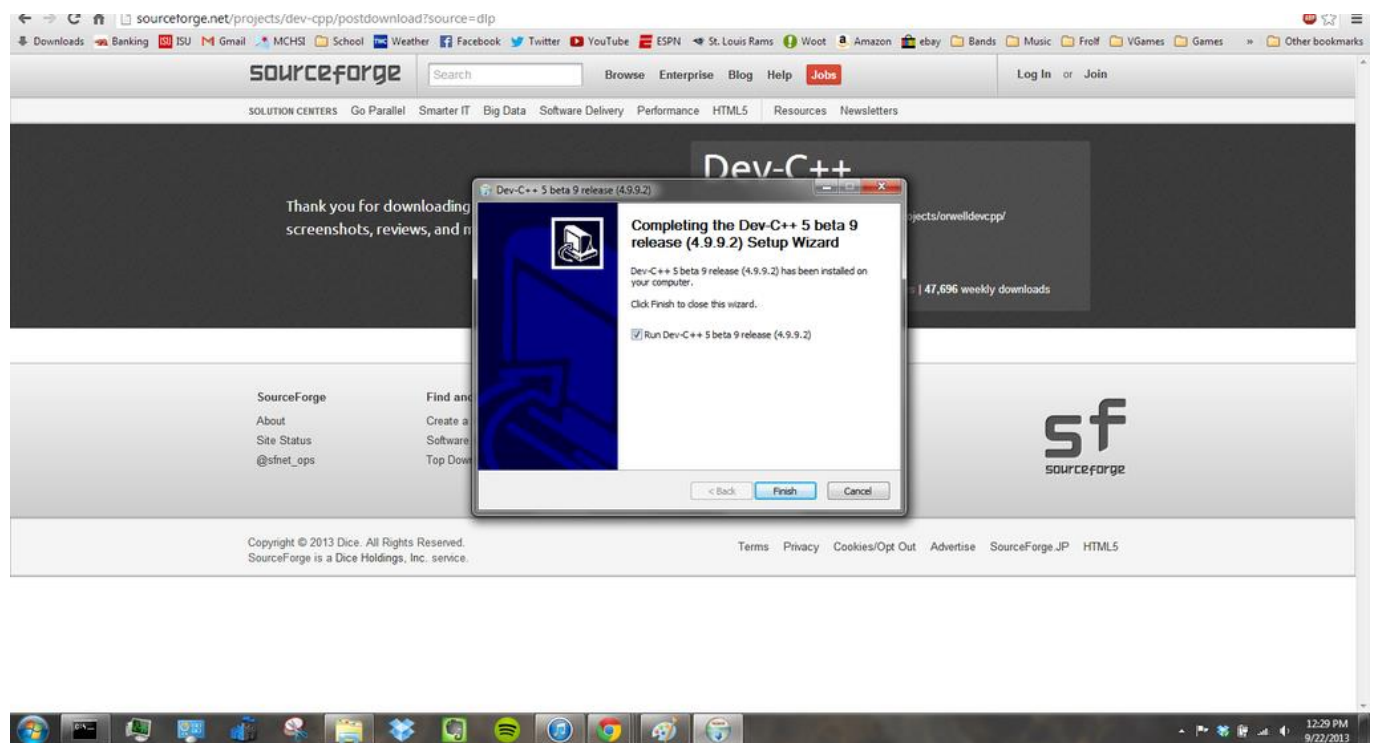
### 2. Select and Download

In this tutorial, I will be using **Dev-C++ beta 9.2 (4.9.9.2) with Mingw/GCC**. Select this by clicking the SourceForge link

underneath the title. The version is outlined in red, and the download link is outlined in blue as see in the figure above.

The download should begin automatically. Select the location to save the file and hit save.

## Step 2: Install Dev/C++



### 1. Open the file

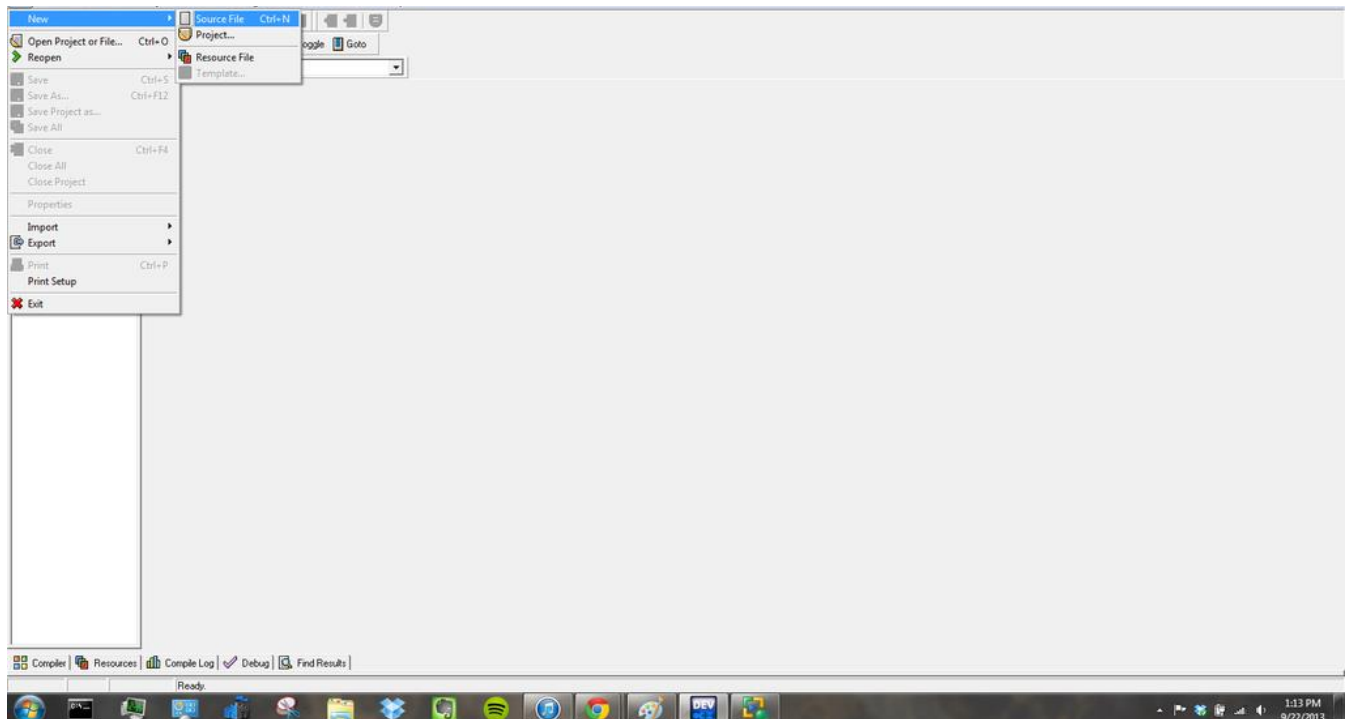
When the file is done downloading, locate the downloaded file and open the executable file (devcpp-4.9.9.2\_setup.exe).

### 2. Instal Dev/C++

After you open the executable file, you will be ran through an installation set-up. You can choose where to store the program files, but use the default settings for everything else.

At the end of the installation, you can leave the box that says **Run Dev-C ++ 5 beta 9 release (4.9.9.2)** selected as shown in the figure so the program will open.

## Step 3: Create First Project



### 1. Run Dev/C++

*\*\*If you selected to run the program at the end of installation, you can skip to step 2, \*\**

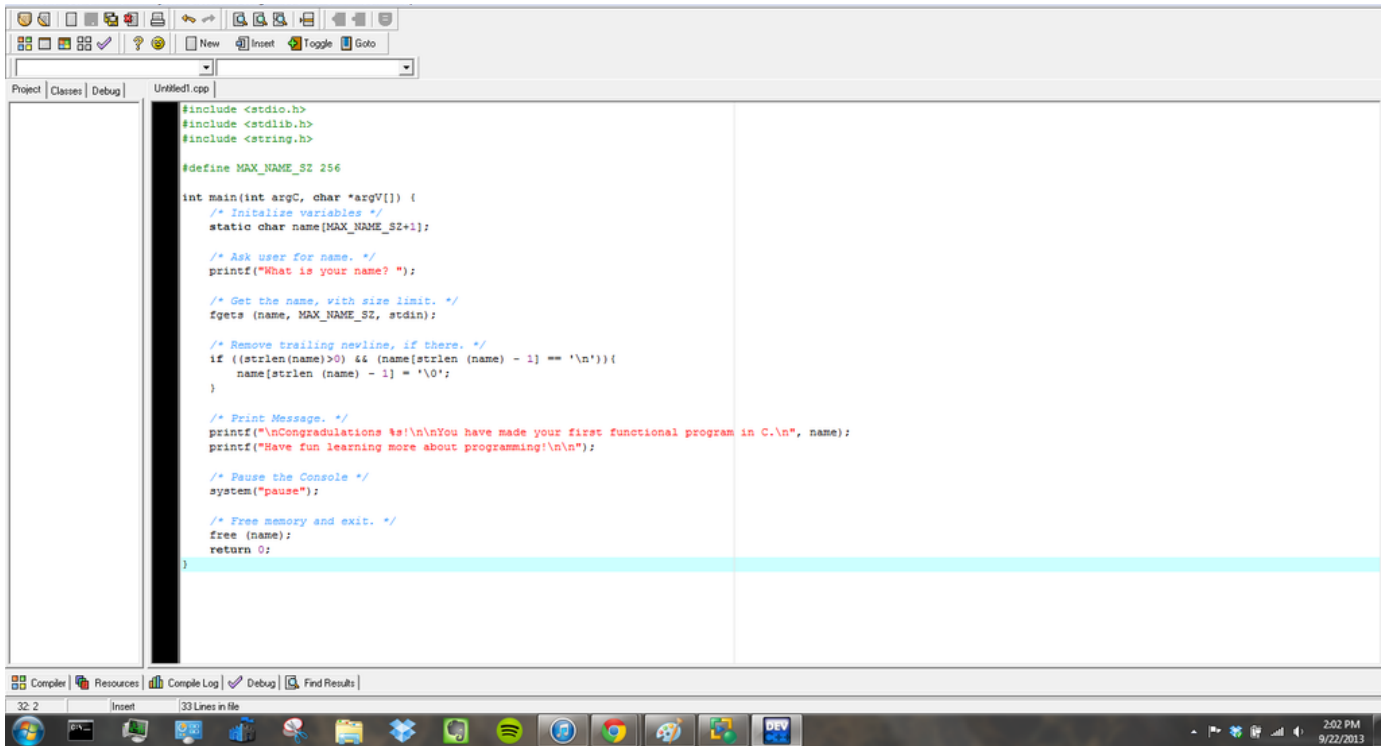
Go to Start Menu > All Programs > Bloodshed Dev-C++ > Dev-C++. This should start the program.

### 2. Create a New Source File

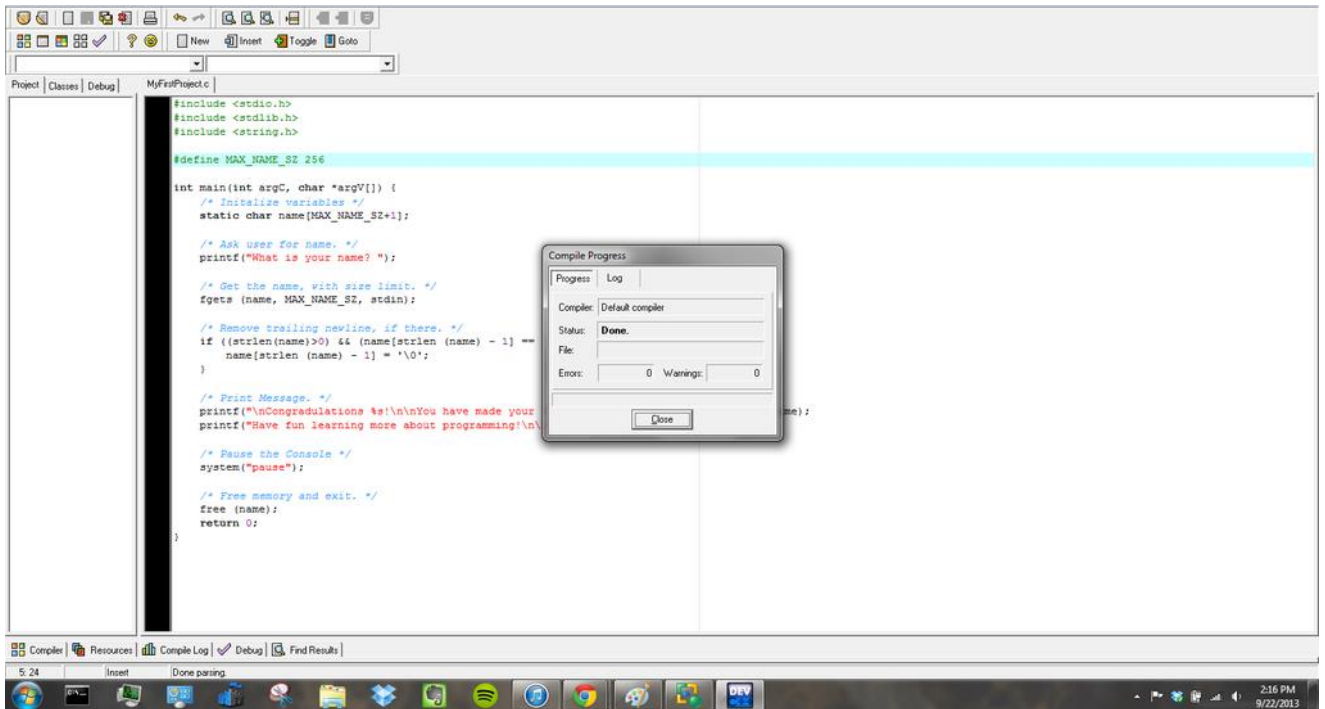
*\*\*If you are prompted with a set up window, use all the default settings\*\**

Once the program opens, you need to create a new source file so you can start writing your first program. To do this select **File > New > Source File**. The path is shown in the figure above. This will open up an area where you be able to type out your code.

## Step 4: Write Your Program



## Step 5: Save and Compile Code



### 1. Save File

Save your file by going to **File > Save As**. Select save location and name your file

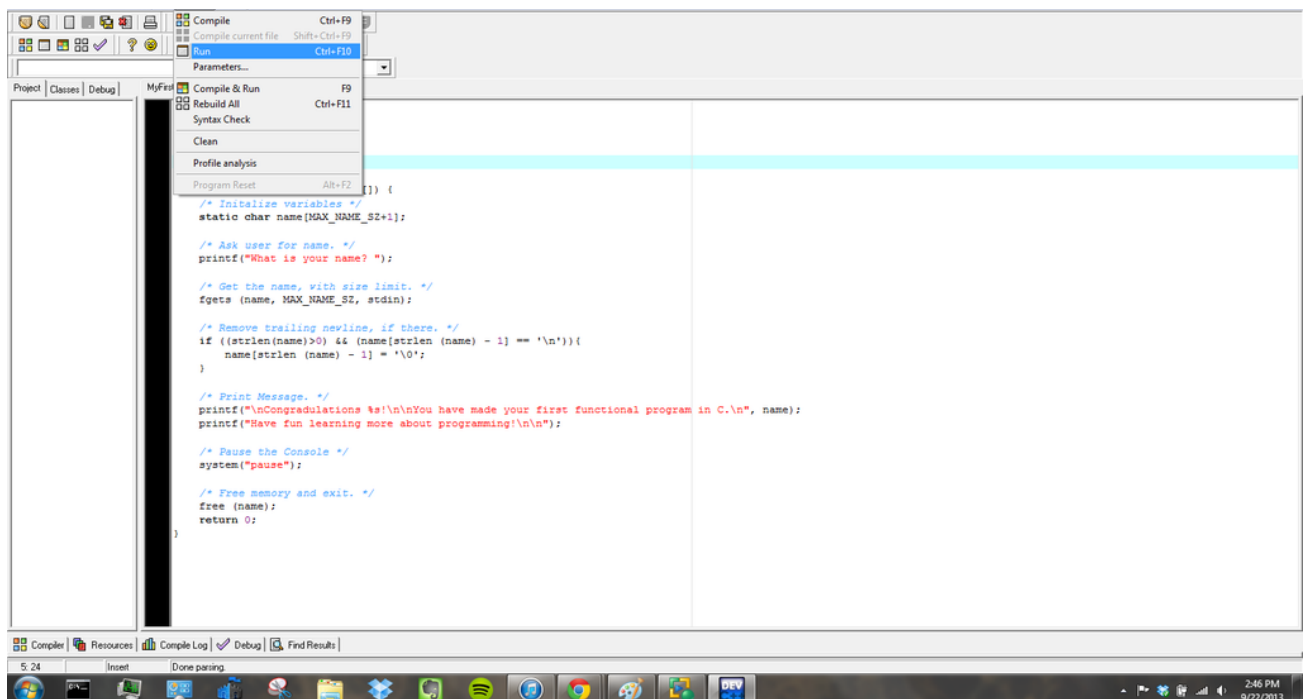
## **\*\*IMPORTANT\*\***

Make sure you change the file type to a **C source file (\*.c)**. This is under the save as type.

## 2. Compile Code

Compile your code by going to **Execute > Compile**. This will check through the code to make sure that it is a valid C file. When the compilation is complete, close the compile window.

## Step 6: Run Your Code



## 1. Run Code

To run your code, select **Execute > Run**. This will start the program and should bring up a new console as seen in the figure below.

## 2. Follow the Code

Follow and execute what the code is saying. When it prompts you to enter your name, type your name and hit **Enter** using your keyboard. A video demonstration of this step can be seen below.

## 3. Close Program

After the program has finished running, the console will print out "*Press any key to continue . . .*" To end the program, simply type any key.

**Note: How to write, compile and run programs are totally practical oriented and I will take this class over ZOOM in the next Class. If you are ready please inform via your class teacher.**

**----END----**