

Project 7: Compiling C on Windows 10 (15 pts.)

What You Need

- A Windows machine, real or virtual. I used Windows 10.

Purpose

You will write a small C program and compile it.

Downloading and Installing Visual Studio Express Installer File

The Visual Studio file is 4.7 GB. If you can't download it at home, use the hacking lab.

In a Web browser, go to <http://www.visualstudio.com/downloads/download-visual-studio-vs>

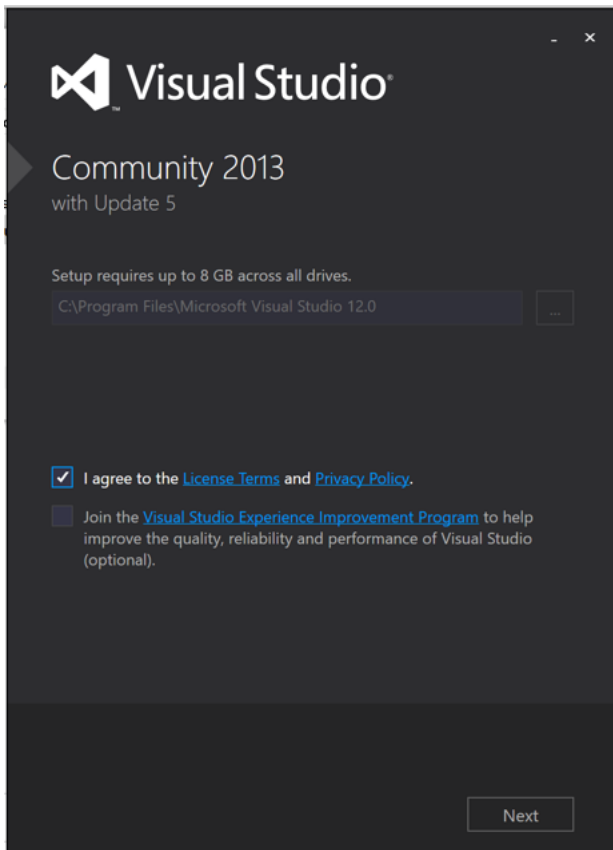
On the left side, expand the "Visual Studio 2013" section. Click "Community 2013". On the right, click the **Download** button.

A file named **vs_community.exe** downloads. Navigate to that file in File Explorer, right-click it, and click "Run as Administrator".

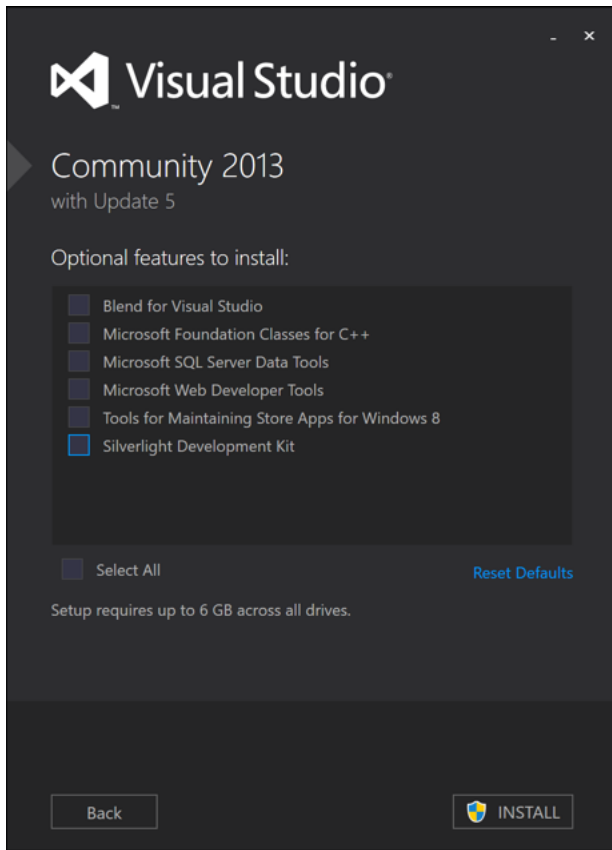
If warning boxes pop up, approve running the software.

A "Visual Studio" box opens, as shown below.

Check the "I agree" box. Click **Next**



In the next box, clear all the check boxes, as shown below. Click **Install**.



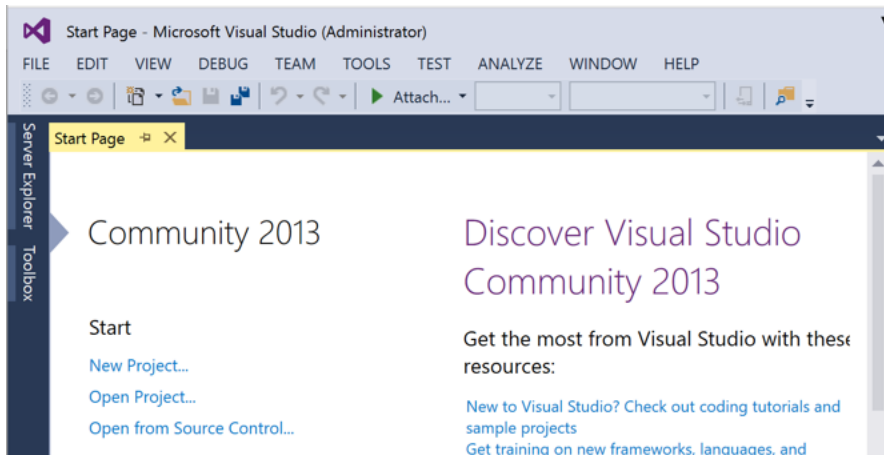
Wait while software downloads and installs.

When the installation finishes, click **LAUNCH**.

A box appears, asking you to "Sign in". Click "**Not now, maybe later**".

Click the "**Start Visual Studio**" button.

Visual Studio launches, as shown below:

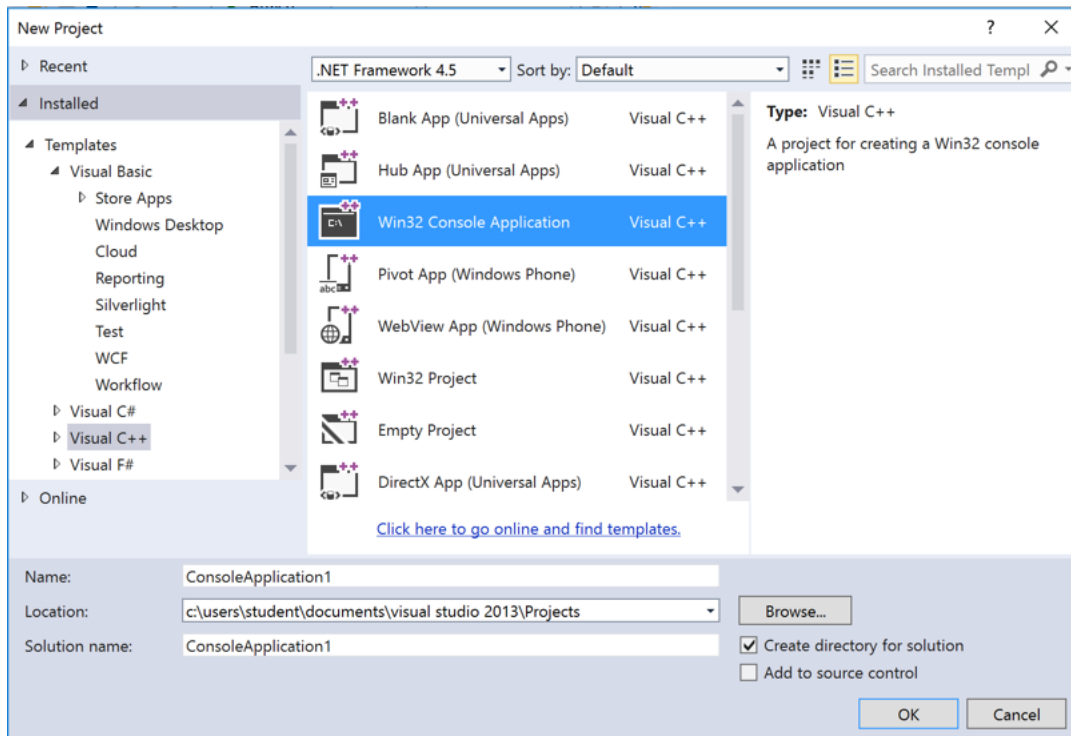


Creating a Simple C Program

On the left side, click "**New Project...**".

In the "New Project" window, on the left, click "**Visual C++**", as shown below.

In the center pane, click "**Win32 Console Application**"



At the bottom of the "New Project" window, type a Name of **YOURNAME-1**, replacing "YOURNAME" with your own name. Do not use any spaces in the name.

In the "Location" line, notice the location files will be saved in--it's a subfolder of your Documents folder.

In the "New Project" window, click **OK**.

A box opens, titled "Welcome to the Win32 Application Wizard".

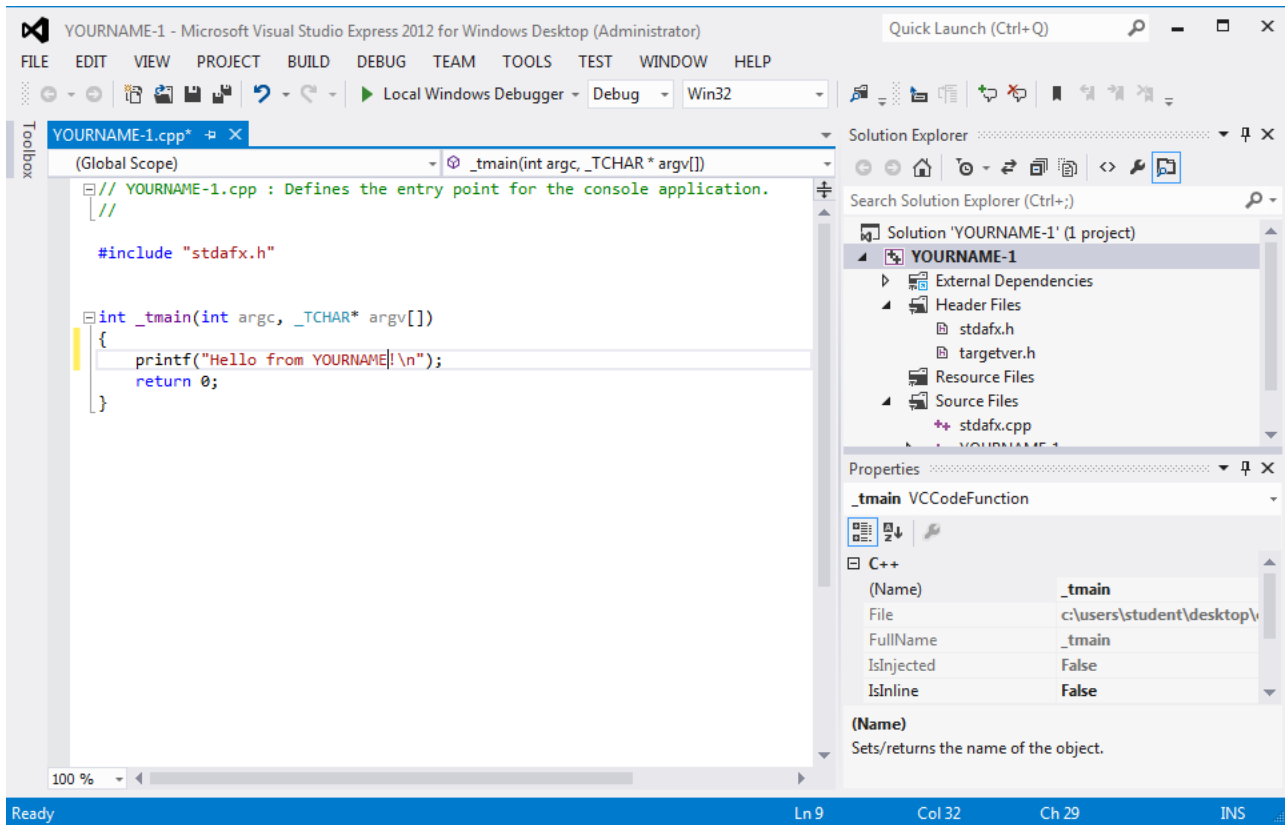
Click **Next**. In the next screen, accept the default settings and click **Finish**.

A window opens, showing a simple C program.

Add this line to the program, as shown below.

Do not use the literal string "YOURNAME"--replace it with your own name.

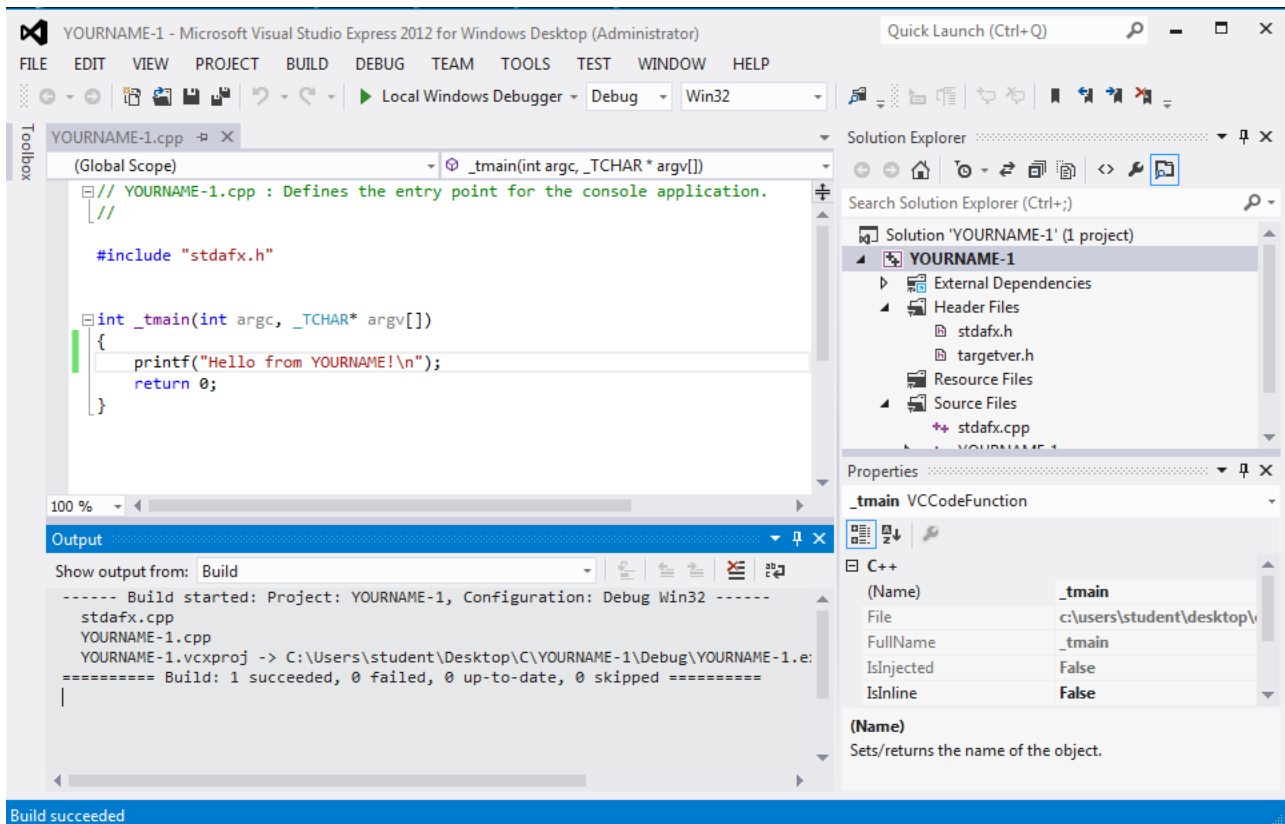
```
printf("Hello from YOURNAME!\n");
```



Compiling your Program

Click **BUILD**, "Build Solution".

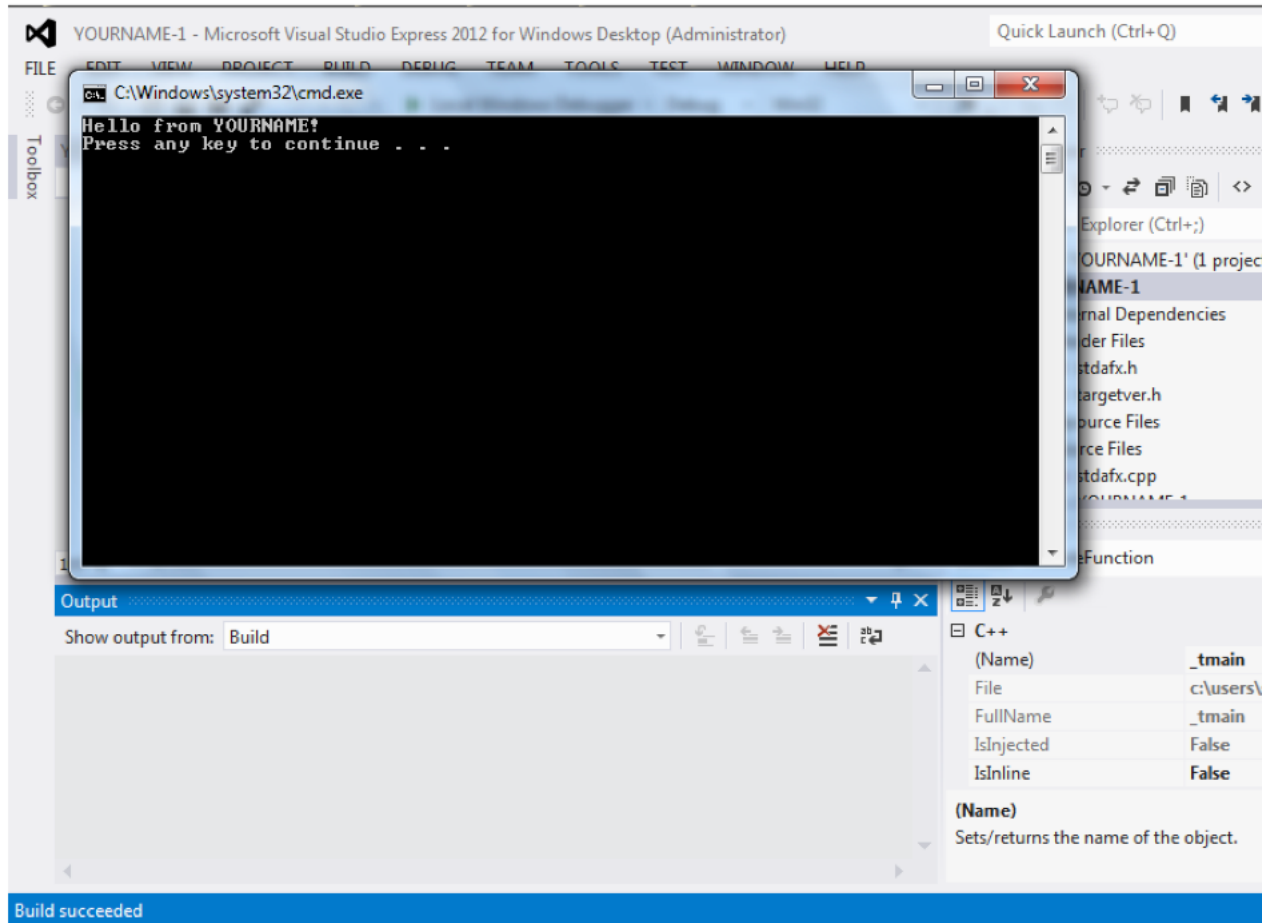
You should see the message "Build: 1 succeeded" at the bottom of the window, as shown below.



Running your Program

Click **DEBUG**, "Start Without Debugging".

A Command Prompt window opens, showing the message with your name in it, as shown below:



Saving the Screen Image

Make sure you can see the windows showing "Hello from YOURNAME!", as shown above.

On your keyboard, press the PrntScr key.

Click **Start**, type in **PAINT**, and open Paint.

Press **Ctrl+V** to paste in the image of your desktop.

YOU MUST SUBMIT WHOLE-DESKTOP IMAGES TO GET FULL CREDIT.

Save the image with a filename of "**Proj 7 from YOUR NAME**".

Turning in Your Project

Email the image to: cnit.126sam@gmail.com with a subject line of **Proj 7 From Your Name**, replacing Your Name with your own first and last name. Send a Cc to yourself.

References

[Creating a Win32 Console Application](#)

Last Modified: 3-7-16 3 pm