

## How to setup Visual Studio 2005 in the Engineering Lab:

1. Go to [rabbit.eng.miami.edu](http://rabbit.eng.miami.edu)
2. Follow the link "The Graphics Programming Library: download and docs"

The screenshot shows a web browser window displaying the website [rabbit.eng.miami.edu](http://rabbit.eng.miami.edu). The page has a light blue header with the site name and date. Below the header is a weather widget showing a temperature of 84.7°F and humidity of 79%. A 'Marginally Interesting Picture of the Day' section features a photo of an alligator and a text box that says 'Waiting for you' and 'An alligator the size of a leaf. Biding his time. Everglades National Park, Florida, 9th October 2005.' To the right, there are 'Special Links' for 'Almanac', 'Calendar', 'ECE', and 'Collection'. At the bottom, there are three columns of links: 'UM Classes', 'Technical Information and Downloads', and 'Other Information and Links'. The link 'The Graphics Programming Library: downloads and docs' in the 'Technical Information and Downloads' section is circled in red.

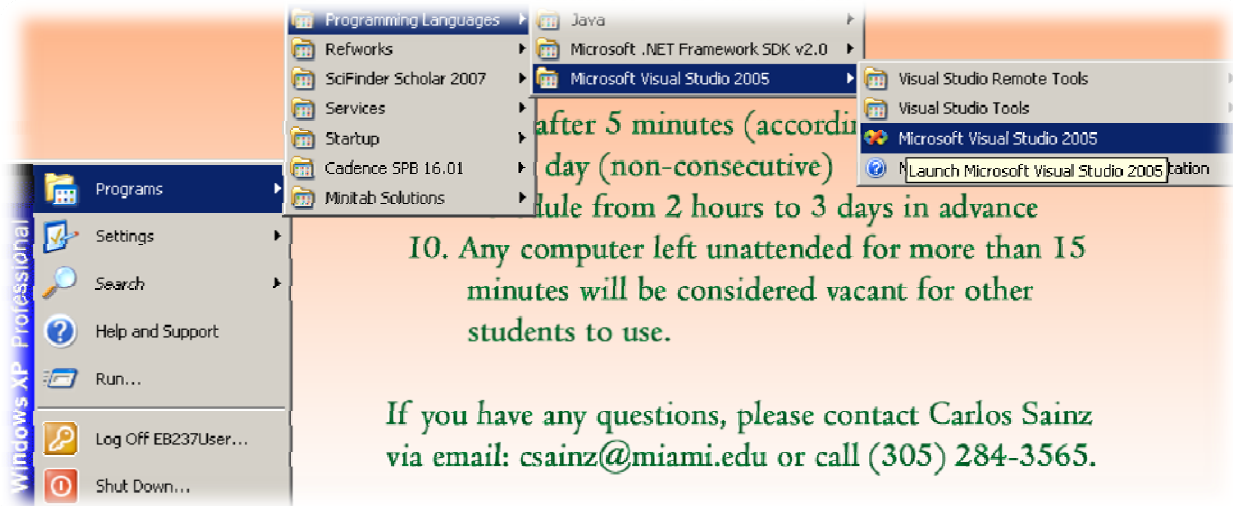
3. Download "library.obj" and "library.h" from the Visual C++ express VERSION 8 section
4. Save these files to the desktop

### ◆ New Completely Better version, for Visual C++ express, version 8, the legal and free one from microsquid

Updated 2nd March 2008 now includes unicode support

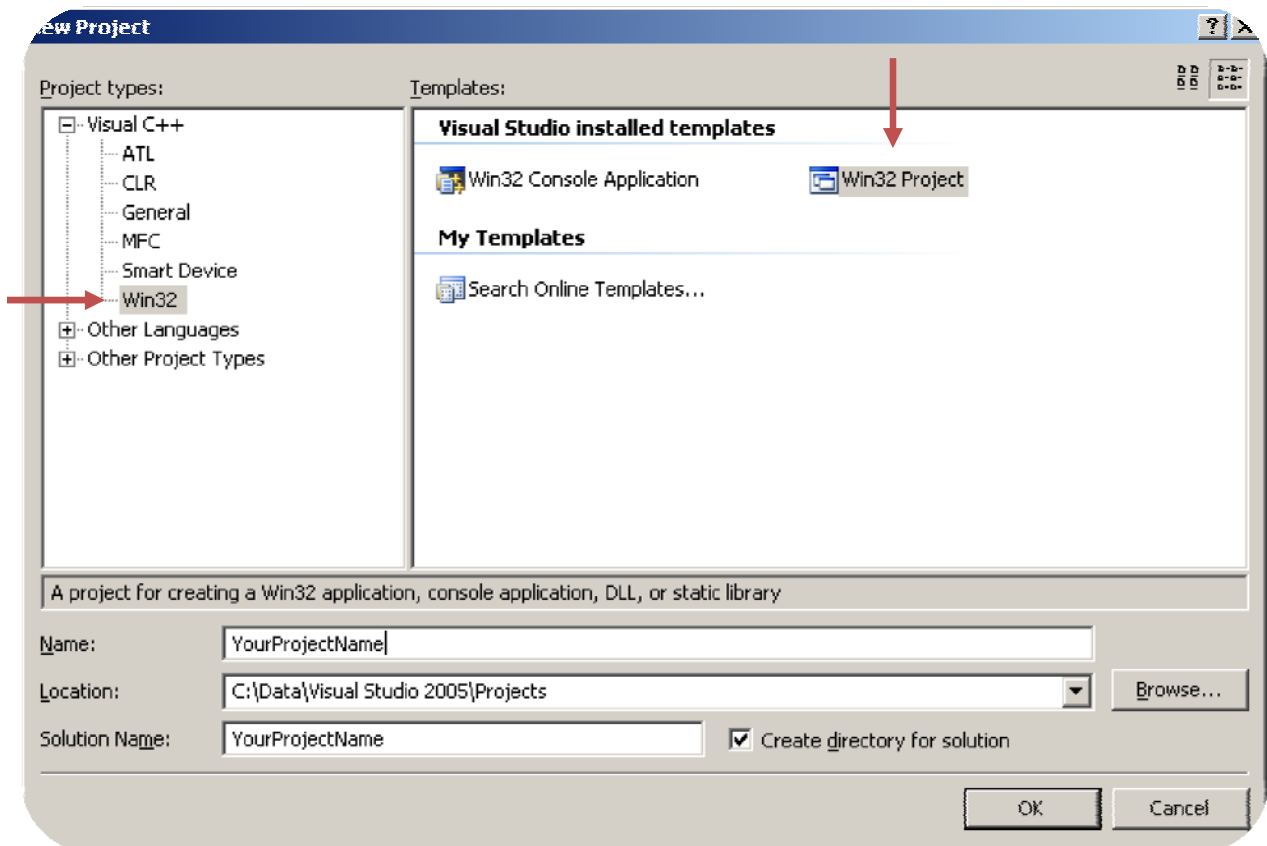
- [library.obj](#) and [library.h](#). This version uses the standard "dos shell" window for text input and output, and gives full access to the standard `<stdio.h>`, `<ostream>`, and `<fstream>`, etc. libraries. Also, all known problems have been fixed.
- [soundlib.obj](#) and [soundlib.h](#). This version
- (the hideously ugly C++ source, if you are unlucky enough to need it), (and for [soundlib](#)).
- When using the audio library remember Project -> Properties -> Linker -> Command Line -> add `winmm.lib` to Additional Options.
- The regular download of visual C++ express is not good enough. You need to download an extra thing, and do some special setup before it will work. [Here are the complex and detailed instructions.](#)
- [graphics.html](#) General documentation

5. Open Microsoft Visual Studio 2005

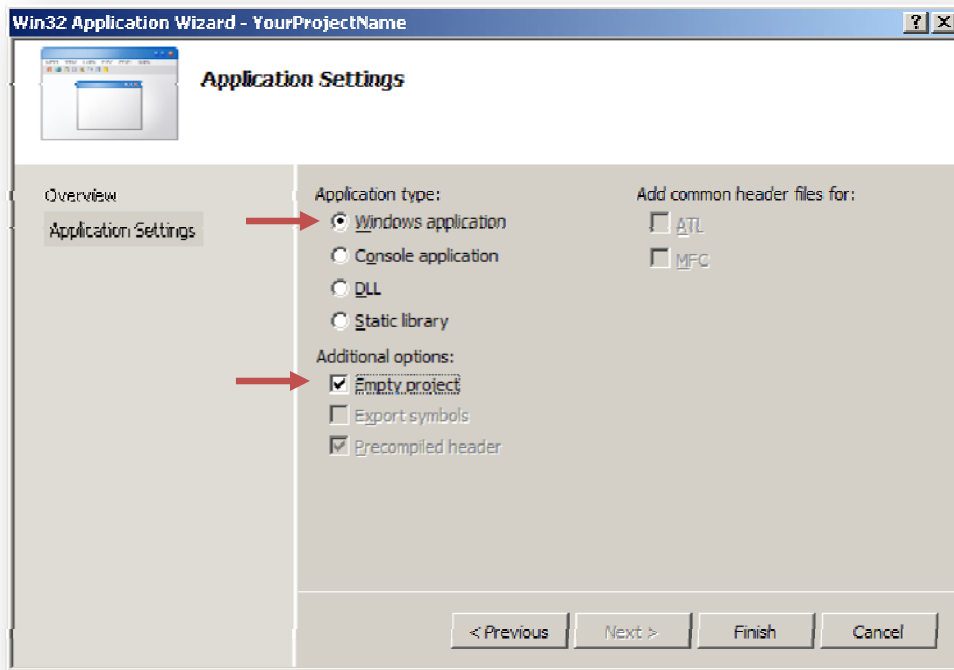


6. Create a New project (Toolbar: New -> Project)

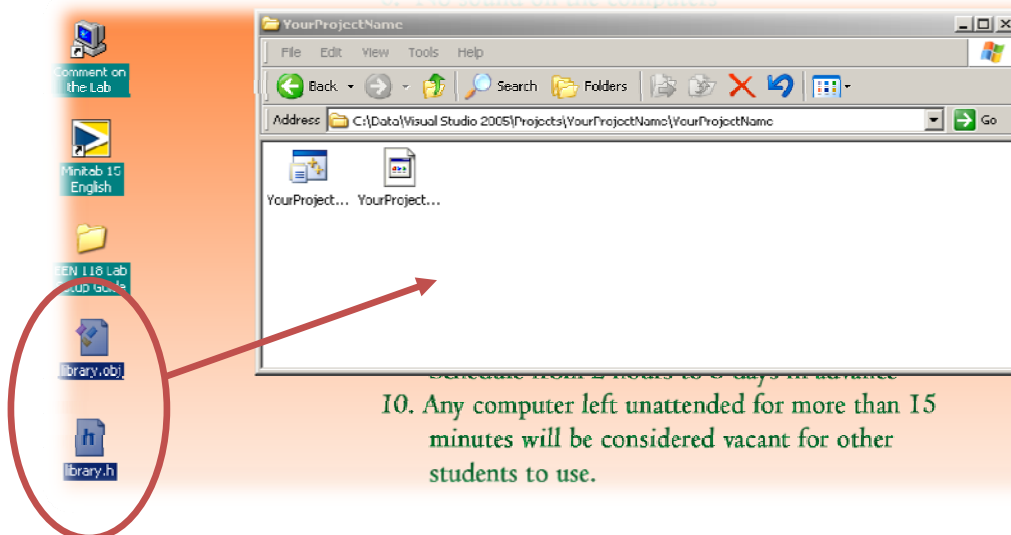
- 7. Select Win32 type - Select Win32 Project template - Give it a name you can remember - Hit OK



8. Select Application Settings - Select Windows Application - Select Empty Project - Hit Finish

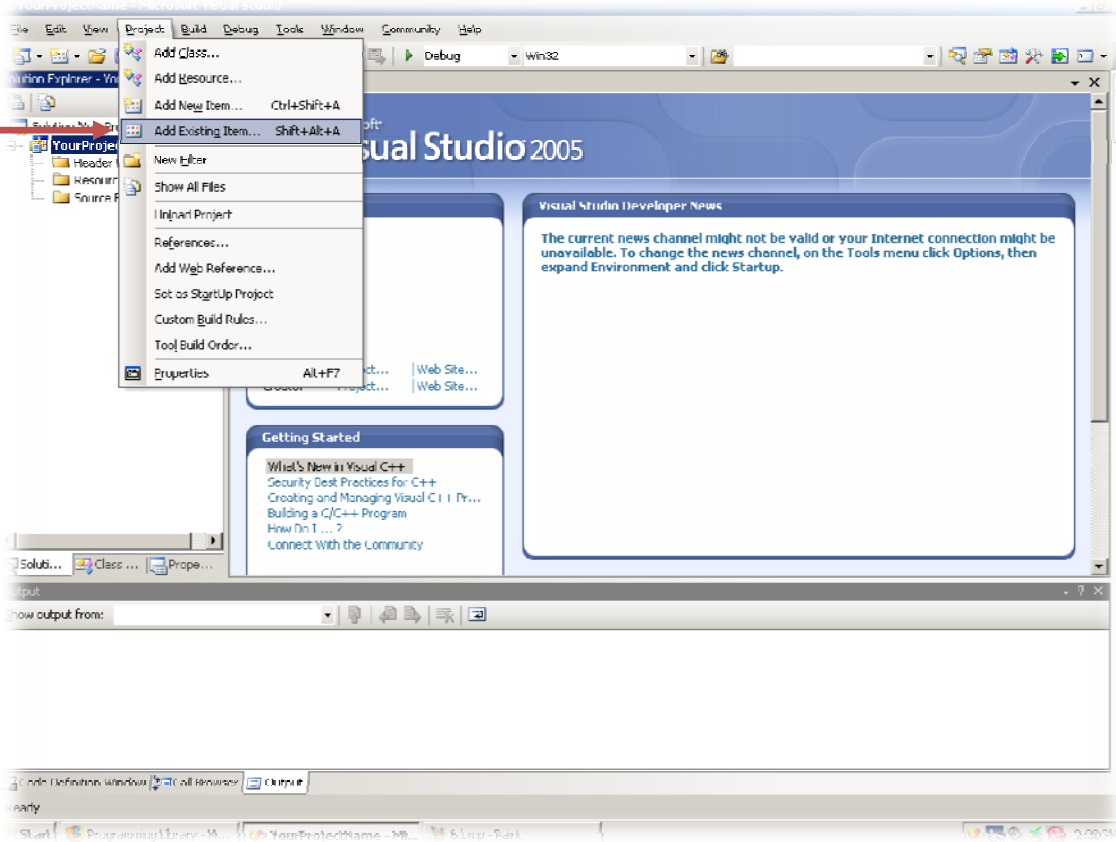


9. Minimize Visual Studio - Open My Computer
10. Go to C:\Data\Visual Studio 2005\Projects\\- 11. Move the "library.h" and the "library.obj" files you downloaded in Step 3 into the directory

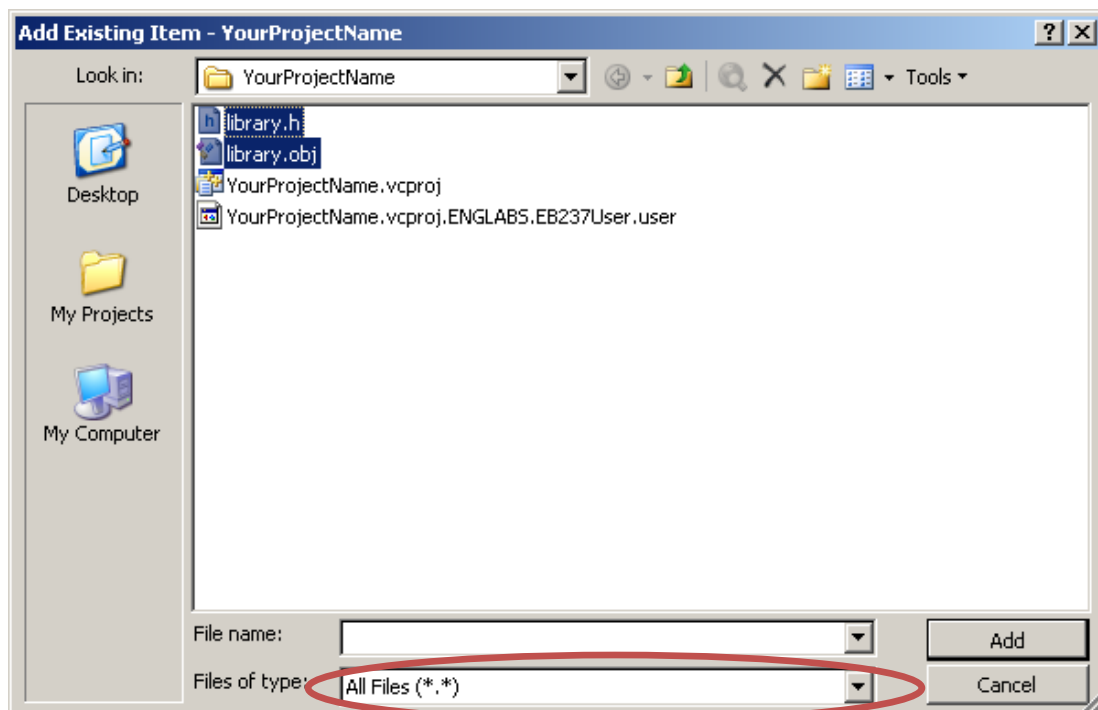


10. Any computer left unattended for more than 15 minutes will be considered vacant for other students to use.

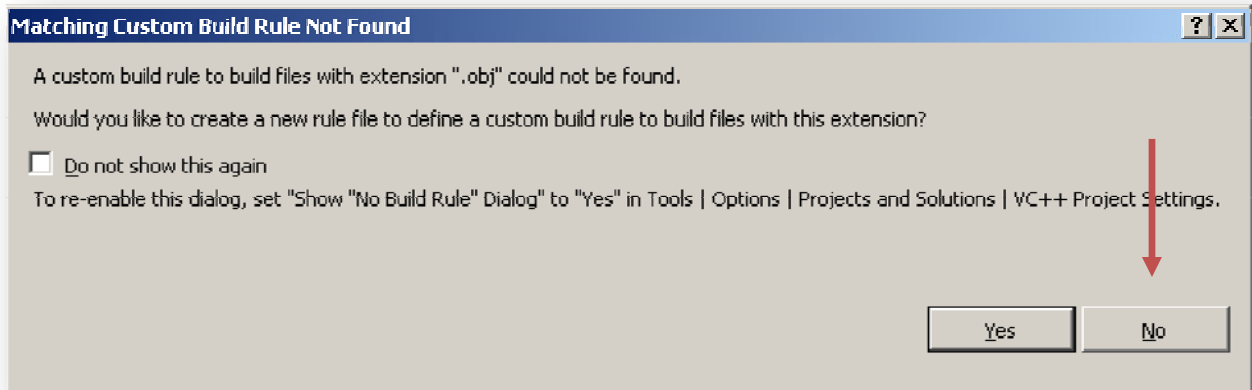
12. Pull Visual Studio back up - Add an Existing Item into your Project  
(Toolbar: Project -> Add Existing Item)



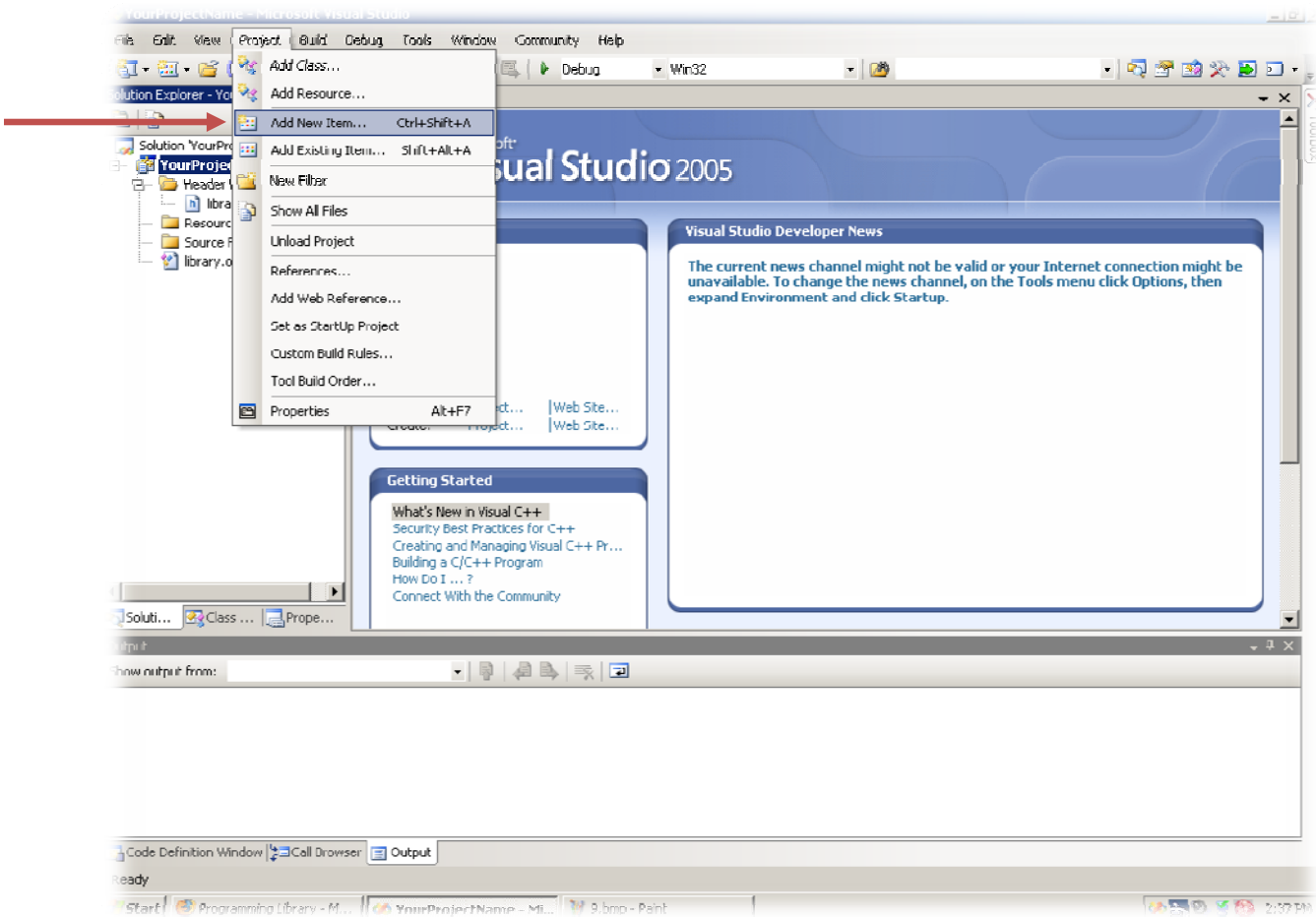
13. Under the "files of type" drop-down menu, select "All Files (\*.\*)" - Select both "library.h" and "library.obj" - Hit Add



14. If a pop-up named “Matching Custom Build Rule Not Found” appears, hit No

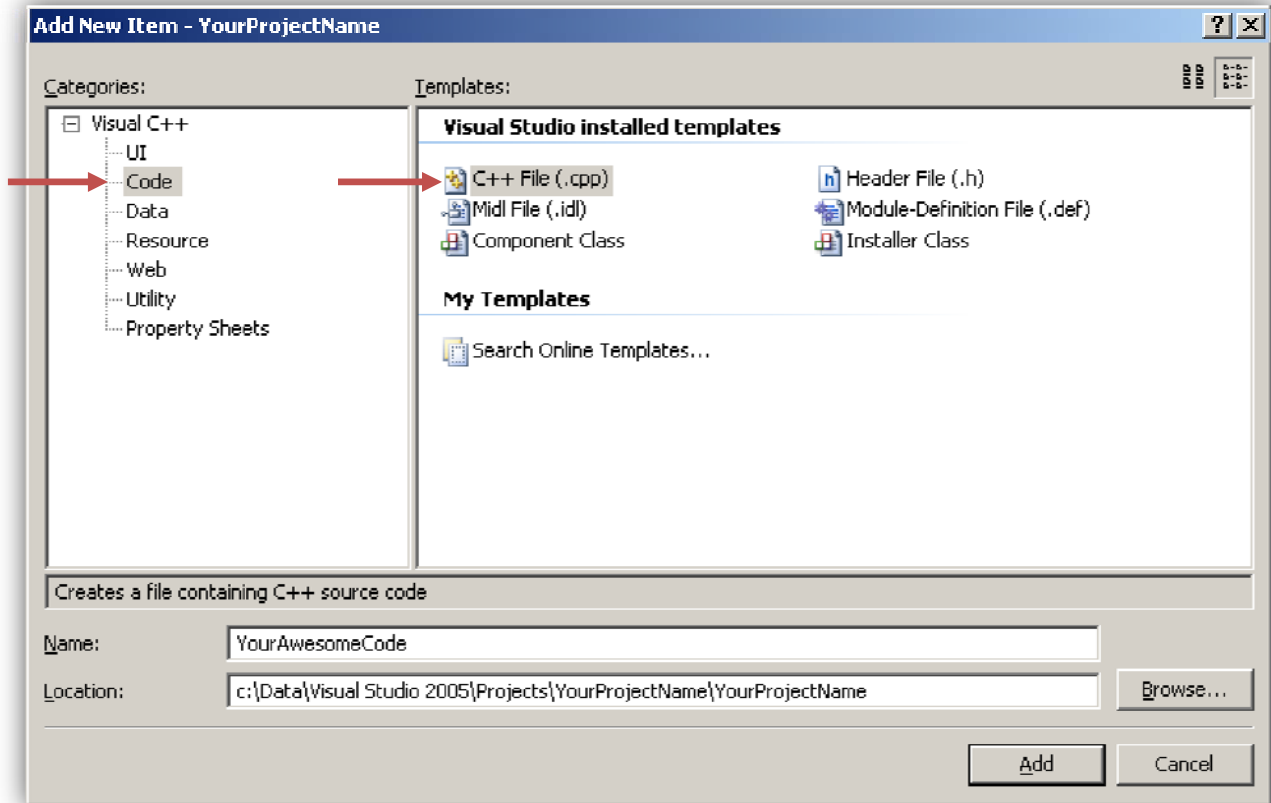


15. To begin making C++ code, add a New Item to your Project (Project -> Add New Item)



16. Select the "Code" category and the "C++ file" template

- Give it whatever name you want - Hit Add



You should now be all set to go!