

## Supplement

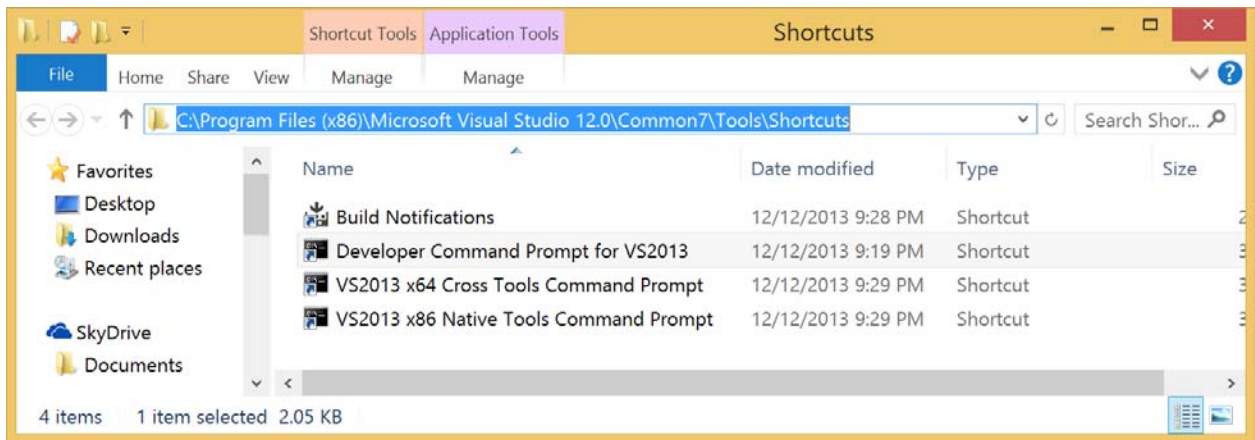
### Compiling C++ Programs from the Command Window Using Visual C++ 2013

For Introduction to C++ Programming  
By Y. Daniel Liang

Here are the steps to compile C++ programs from the command window using the Visual C++ 2013 compiler:

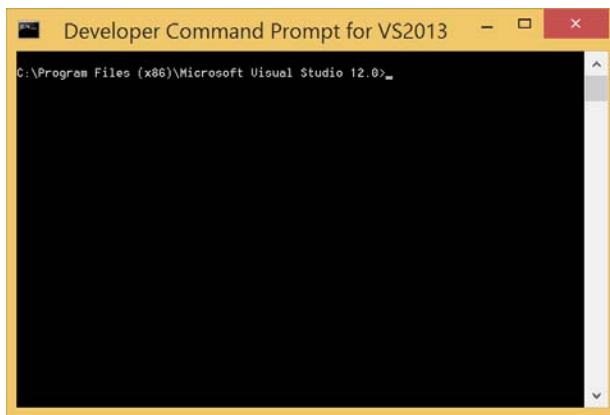
1. From your desktop, go to C:\Program Files (x86)\Microsoft Visual Studio 12.0\Common7\Tools\Shortcuts, as shown in Figure 1.

Figure 1



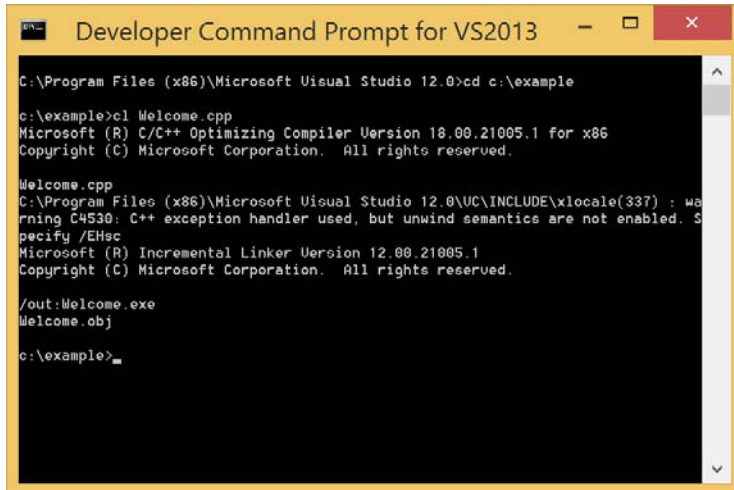
2. Click the shortcut Developer Command Prompt for VS2013 to open a new Command Prompt window as shown in Figure 2.

Figure 2



3. Change directory to where your source files are and enter `cl sourcefile.cpp` to compile and link the file as shown in Figure 3.

Figure 3



```
C:\Program Files (x86)\Microsoft Visual Studio 12.0>cd c:\example

c:\example>cl Welcome.cpp
Microsoft (R) C/C++ Optimizing Compiler Version 18.00.21005.1 for x86
Copyright (C) Microsoft Corporation. All rights reserved.

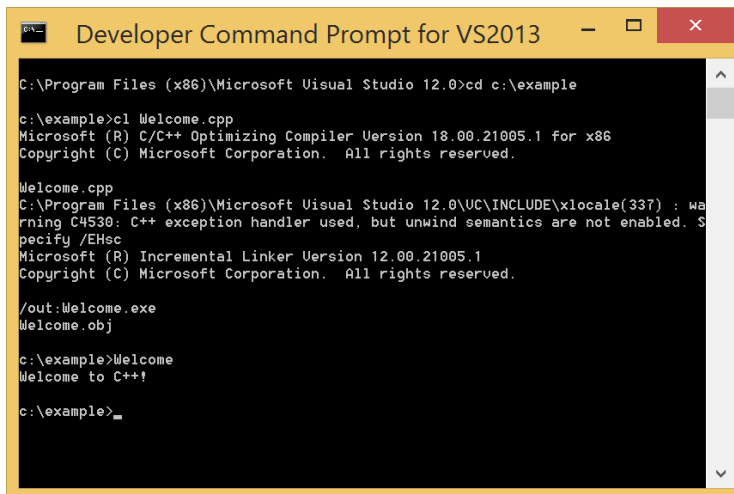
Welcome.cpp
C:\Program Files (x86)\Microsoft Visual Studio 12.0\VC\INCLUDE\xlocale(337) : wa
rning C4530: C++ exception handler used, but unwind semantics are not enabled. S
pecify /EHsc
Microsoft (R) Incremental Linker Version 12.00.21005.1
Copyright (C) Microsoft Corporation. All rights reserved.

/out:Welcome.exe
Welcome.obj

c:\example>_
```

4. Run the program by entering the executable file as shown in Figure 4.

Figure 4



```
C:\Program Files (x86)\Microsoft Visual Studio 12.0>cd c:\example

c:\example>cl Welcome.cpp
Microsoft (R) C/C++ Optimizing Compiler Version 18.00.21005.1 for x86
Copyright (C) Microsoft Corporation. All rights reserved.

Welcome.cpp
C:\Program Files (x86)\Microsoft Visual Studio 12.0\VC\INCLUDE\xlocale(337) : wa
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Microsoft (R) Incremental Linker Version 12.00.21005.1
Copyright (C) Microsoft Corporation. All rights reserved.

/out:Welcome.exe
Welcome.obj

c:\example>Welcome
Welcome to C++!

c:\example>_
```