Visual C++ 2010 Tutorial

Fall, 2011

Table of Contents

Program Development with Microsoft Visual C++ 2010
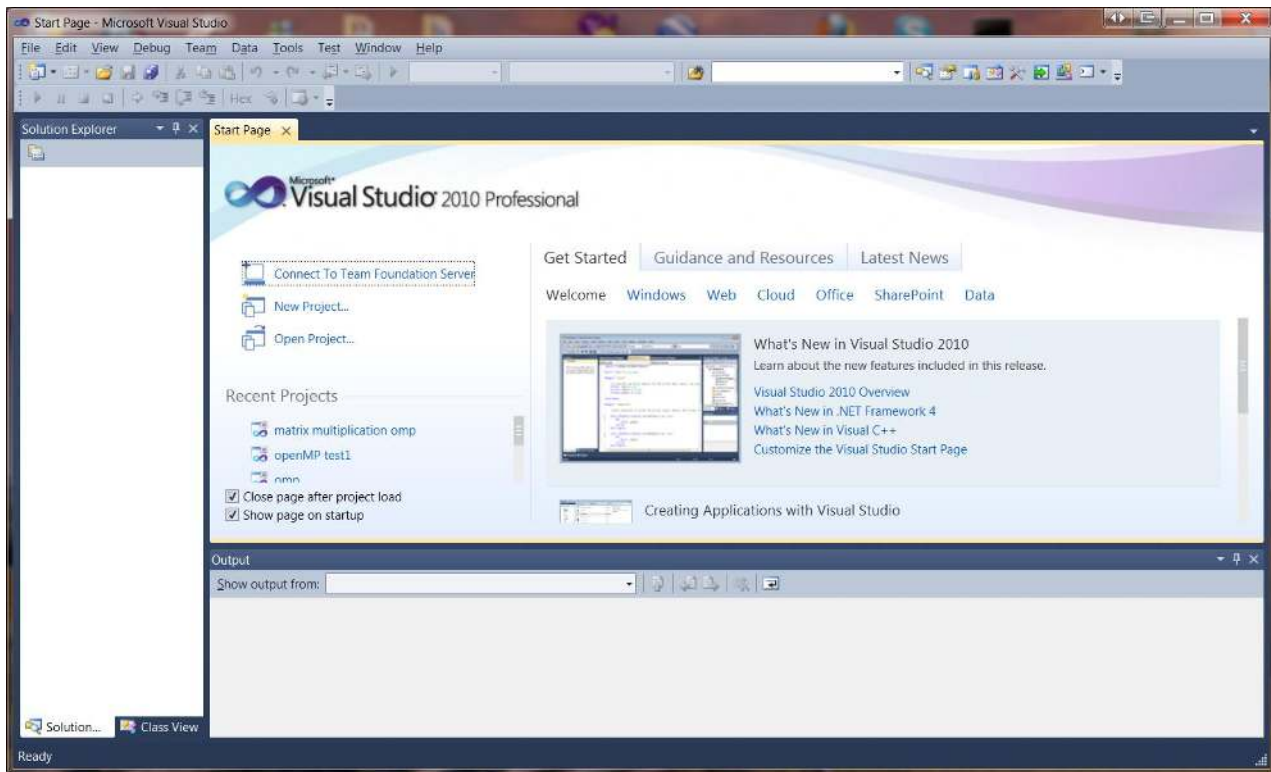
Introduction

This tutorial is written to help those who are new to Visual C++. It introduces the **Integrated Development Environment** (**IDE**) of Microsoft Visual C++ 2010 and shows how to enter, edit, save, retrieve, compile, link, and run a C++ program in such an environment. It also shows a simple way to print the source code and the program output.

Two simple C++ projects, one single-file and the other multi-file are used as demo programs so that students can focus on Visual C++ 2010 IDE instead of getting distracted by language features. For the convenience of the reader, source code for both programs is listed in the Appendix.

If you have any comments and/or suggestions that might help improve the effectiveness of this tutorial, please forward them to either Dr. E. Hu at hue@wpunj.edu or Marvin Kiss at kissm@wpunj.edu.

Single-file Project: The *Hello World* Program

Step 1: Launch the MS Visual C/C++ 2010 software from task bar. The main window of Visual Studio 2010 should be similar to the below display:
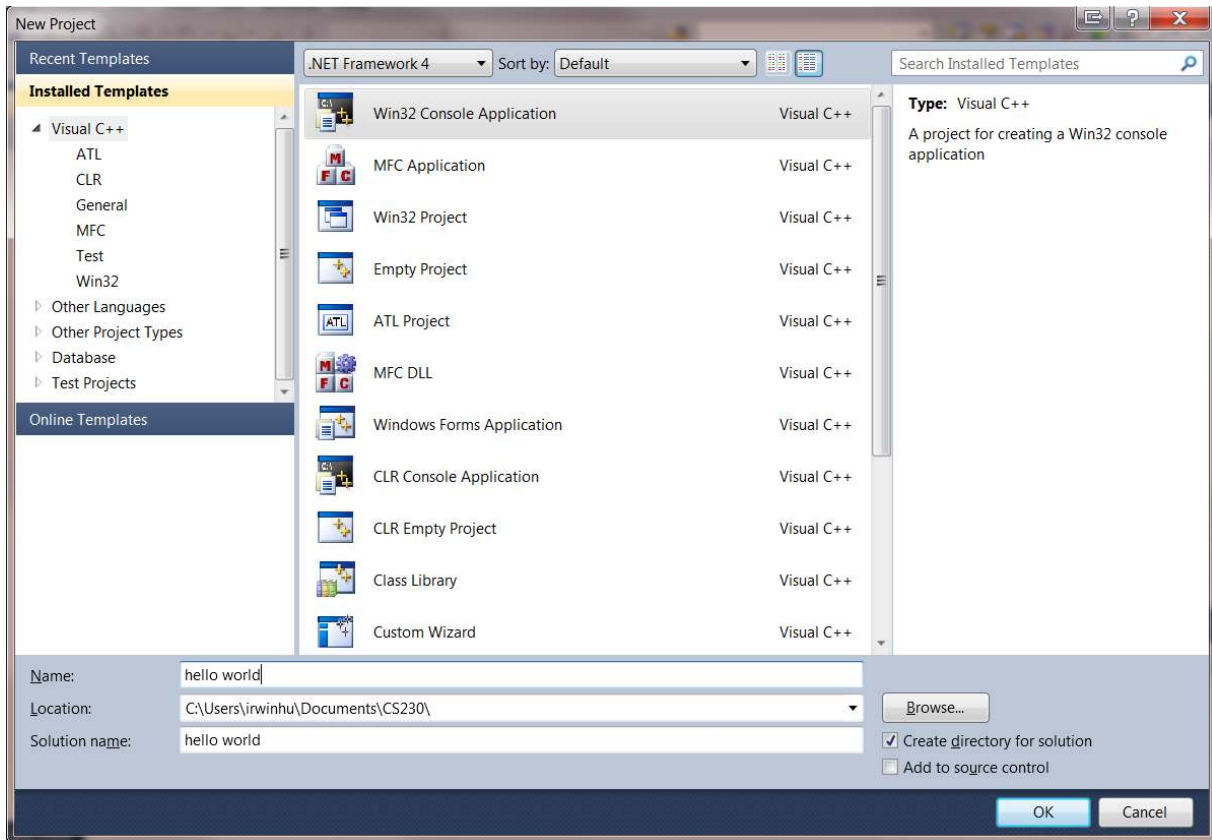

Note:

1. Hereafter, all system defined terms including menu items such as File will appear in bold and all entries made by programmers such as a filename are italicized.

2. If the Solution Explorer window on the left is not shown, click View in the menu bar and then click Solution Explorer to display it.

Step 2: In the menu bar, click **File →New → Projects…**to display the **New Project** dialog box shown below**:**
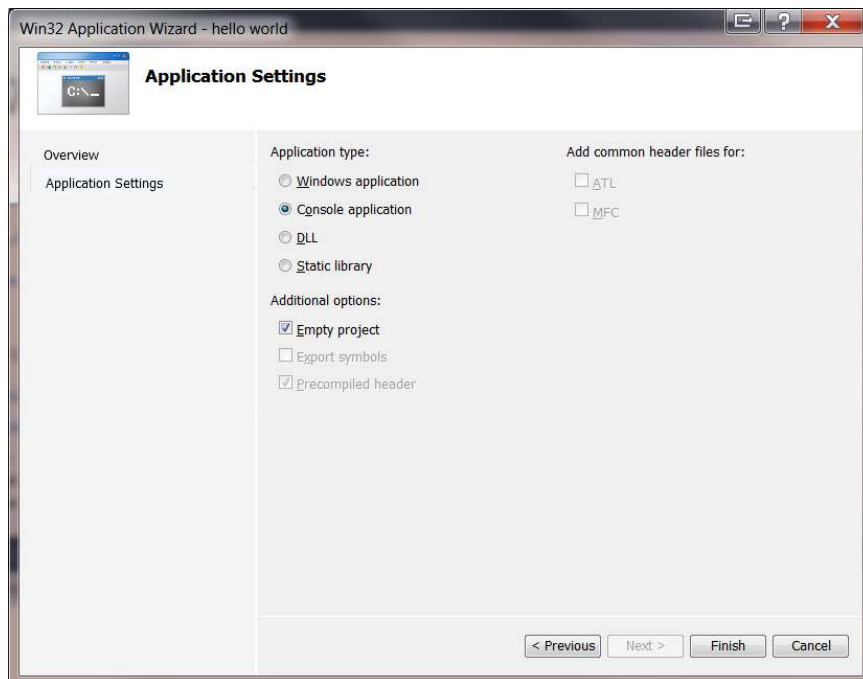
In the **New** dialog box shown below, select by clicking **Visual C++** in the **Installed Template** pane and **Win32 Console Application** in the middle pane. You then enter a name of your choice for the project (e.g., *hello world* as shown) in the Name box, select the location or folder in which you'd like to store project files (e.g., C:\Users\irwinhu\Documents\CS230\ as shown) by clicking the **Browse…** Note that there is no need to enter a name in the Solution name box; the system fills the project name in it by default.

Click on the **OK** button to display the **Win32 Application Wizard** – *hello world* window shown below:

Click the **Next** button to display the following dialog box:

Check the **Empty project** box as shown above and click on the **Finish** button to proceed to the next step.

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