Lab 2 Introduction Visual C++

Introduction to Computer Science I

# Objectives:

After performing this lab, the students should be able to

* explain the purposes of an IDE as well as of the main components of an IDE
* create console projects using Visual C++ 2010/2013/2015

# Names of Lab Group Members:

## Activity

### Part I

Read the section “What is the Integrated Development Environment” in Chapter 1: Programming with Visual C++ 2010 by Ivor Horton, available on <http://msdn.microsoft.com/en-us/library/hh147275(v=vs.88).aspx#WhatIsTheInteg>

Then answer the following questions:

1. **What is the purpose of an IDE?**
2. **Which part of an IDE is used to create and edit C++ source code?**
3. **What does a compiler do?**
4. **What is a library?**

### Part II

Read the section “Using the IDE” in Chapter 1: Programming with Visual C++ 2010 by Ivor Horton, available <http://msdn.microsoft.com/en-us/library/hh147275(v=vs.88).aspx#UsingtheIDE>

Note: You only need to do the sections **Try it Out: Creating a Project for a Win32 Console Application** and **Try it Out: Creating an Empty Console Project.**

Answer the following questions?

1. **Explain what a project is.**
2. **Explain what a solution is. What is the relationship between a solution and a project?**

Now that you have tried the exercises **Try it Out: Creating an Empty Console Project**, create an empty console project that announces to the world your first c++ program to the screen: using the Ex1\_02.cpp as a reference, use the statement std::cout << “Hello world”; to display your announcement.

1. **Copy your C++ source code below.**
2. **Take a screenshot of your program output. To do so, with the output window active, press Alt+PrtScr on your keyboard. This keyboard shortcut will copy the active window to the copyboard. Paste the window below.**

Congratulations on creating your first C++ programs!

Notify the instructor to get checked off. Be prepared to discuss what you have learned in this lab.