

Module 1: Programming Assignment 1

Start Assignment

- Due No Due Date
- Points 100
- Submitting a file upload
- File Types h and cpp

Programming Assignment

The point of this assignment is to get you acquainted with your C++ environment. If you are using an *integrated development environment* (e.g., MSVC++ or Borland C++) getting started can be somewhat intimidating.

If you need it, here is a very brief set of [instructions for creating a program using MSVC++](https://docs.microsoft.com/en-us/visualstudio/ide/getting-started-with-cpp-in-visual-studio)  (<https://docs.microsoft.com/en-us/visualstudio/ide/getting-started-with-cpp-in-visual-studio>).

Your programming assignment for this module is to modify the *hello* program to display the user's name instead of "Hello World" using cin and cout. From the sample source code you will be downloading (see below), compile it, and execute it. Then modify the code to prompt the user to enter their first name and display it. The point of this exercise is for you to learn how to compile and run a program using your C++ environment.

Depending upon your choice of compiler, the hello program might require slight modifications.

```
#include <iostream>    // Some older C++ compilers might require .h
#include "stdafx.h"    // Required for MS .NET compilers depending upon project setup
                      // Can be excluded if project setup and an "empty project"

using namespace std;   // Added to eliminate the need for the prefix std, as in std::cout
```

Below are the two most common implementations of the hello.cpp program.

```
// FILENAME:   hello_1.cpp
// PROGRAMMER: Bob Adams
// DATE:       10/27/2004
// COMPILER:   MS Visual C++ 2008 Express Edition
// REQUIRED:    hello_1.cpp
// PURPOSE:
//   Illustrate the basic form of a C++ program.
//   Illustrate the use of // which means what follows is a comment.
//   Illustrate the use of << which is used to output stuff.

#include <iostream>    // Allows use of << and >> operators.
using namespace std;  // Eliminates need for std as in std::cout

int main( void )
{
    cout << "Hello World! " << endl;
```

```
    system("pause");    // required by some compilers to keep output window open.
    return 0;
}
```

```
// FILENAME:    hello_2.cpp
// PROGRAMMER:  Bob Adams
// DATE:        10/27/2004
// COMPILER:    MS Visual C++ 2008 Express Edition
// REQUIRED:     hello_2.cpp
// PURPOSE:
//     Illustrate the basic form of a C++ program.
//     Illustrate the use of // which means what follows is a comment.
//     Illustrate the use of << which is used to output stuff.

#include <iostream>    // Allows use of << and >> operators.

int main( void )
{
    std::cout << "Hello World! " << std::endl;

    system("pause");    // required by some compilers to keep output window open.
    return 0;
}
```

Assignment Requirements

All modules are required to have the following comment header with your relevant information

```
// FILENAME:
// PROGRAMMER:
// DATE:
// COMPILER:
// REQUIRED:
// PURPOSE:
```

Save source code attachments as .cpp and .h files. Submit your source code as attachments to this drop box. Do not compress your attachments. Please review the requirements for submitting on the course syllabus.