

Assignment 1

Due 16 September 7:59am

1 Problem 1

In this first lab of the semester we are going to explore how to build, compile, and execute a C++ program in Visual Studio.

- Create a new Empty Project in Visual Studio
- Right click Source Files and add a new C++ File.
- Create the most minimal C++ program possible

```
int main() {  
}
```

save, compile, and run. What happens?

- Let's build on what we have. Add the lines

```
cout << "Hello!\n";  
return 0;
```

inside main. Notice we are explicitly returning 0 now. This is the best practice. Save, compile, and run. What happens?

- Add the lines

```
#include <iostream>  
using namespace std;
```

to the top of the program. Save, compile, and run. What happens?

- Finally, change main to look like the following

```
//Declare two ints for the width and height of the rectangle
int width, height;
/* and another int for the area */
int area;
cout << "Enter the rectangle width" << endl;
cin >> width;
cout << "Enter the rectangle height" << endl;
cin >> height;
area=width * height;
cout << "Area is " << area << "!" << endl;
return 0;
```

Save, compile, and run.

- Submit just the one source file via BlackBoard.

2 Bonus

Bonus problems will start next week!