CS330: Programming Language Project (PLP) Assignment 2:

Installation, programming environment, and Hello, World!

Due: February 6, before class.

Now that you've chosen a language and learned about its history and uses, it's time to set it up and use it. For this assignment you must:

1. Install your programming language, including anything else that it needs to run (e.g.: an IDE, editor or programming environment)

2. Write a "hello world" program in that language (just look for one on the Internet)

3. Run the program

4. Be prepared to show me that you can run the program **successfully** during lab

Your write-up should address the following questions. Try to answer them so someone else would be able to follow your instructions and run your program successfully (because *someone* probably will...). Think of this write-up as a *Getting Started Guide*:

1. Can this language be installed on any operating system? Which ones (Windows, Mac, Unix/Linux)? If not, what are its limitations? C++ can be installed on any operating system.

2. Give instructions for how to install the language. To install C++, you will need an environment to compile the code. Otherwise, you can use an online IDE. ([Source)](#)

3. Where do you write programs in this language (e.g.: in: in a text editor, a special editor just for that language, or something else?)
   - Related: Does this language come with a recommended programming environment? What is it? If not, how did you pick the one that you'll be using? You can use a text editor and then a compiler or an IDE. IDEs depend on your operating system. I chose to use CLion, an IDE for C and C++ that is available for Windows, macOS, and Linux.

4. How do you run programs that you write? To run C++ programs, you must use a compiler.

5.Is there a lot of boiler-plate code needed to write a program (e.g. Java)? Or can you just start writing (e.g. Python and Perl)? Boiler-plate code is needed to write a program? It's recommended that you use boiler-plate code.

6. How do you write comments in your language? To write single line comments, use '//'. For block comments, use '/*' on the first line and end the block comment with '*/'.

Place the answers to these questions in your GitHub repository and email me the link. Make sure that your answers are clear, accurate and fully-formed; remember that these tutorials are public and GitHub users don't have the context of the assignment that you do.

Explain the reasoning behind the answers as much as possible. If there is no clear-cut answer to a question, explain why not. And cite your sources!