When I was thinking about what 2 language I should choose to learn, I decided to pick C++ and Python because C++ is the most known a difficult language to learn and vice-versa, Python is the most know a easy language to learn. I learned C++ a year ago at Brooklyn college, but I forgot everything. As I started the process, I picked the bubble sort algorithm as my project because it contains almost every basic syntax in programming. For instance, if statement, loops, functions, and variables. I first started to learn C++. I wrote pseudocode on how to implement bubble sort, since bubble sort isn’t hard to implement, the pseudo code is done very quick. First, I check Tutorial Point, a very famous programming language tutorials website. I want to try a hello world program first. Therefore, I checked the “hello world program” on tutorial point and see the syntax of it. Then, I see C++ needs to import certain libraries like #include <bits/stdc++.h>, this is a header file that contains all the standard library. This standard library will brings in the standard function for C++. For instance, cout <<, which is the output something like Java (System.out.print). I was actually surprised that I need to import a library to output something, unlike languages like Java/Javascript, output was built-in. Moreover, I tried to output something, I realized there is this symbol “<<”, it’s the bitwise shift operators, commonly known as the stream operators, << means stream out and >> streams in. In addition to that, >> is for cin, input. One more thing to learn is using name space std. It’s use to differentiate the library functions and self-written functions. After I’m done understanding all the standard syntax in a hello world program, rest is easy because almost every language, the if/function/loops/array is possibly the same. I start searching online with keywords like “if statement in C++”, “how to write functions in C++”, “how to declare an array in C++”. After that, I’m done with the bubble sort. I moved onto learning Python. I heard Python is a easy language to learn compare to any other languages online. Now, I understand the reason of it’s easy. The syntax is extremely easy to understand, like a real human language. This time, I started the same, looking at a hello world program online. I found there isn’t much in a hello world program. There is only one line, print(“hello world”). I’m surprised how easy this is! It doesn’t need import libraries, main function, using namespace std or whatever. Just one line! Likewise, I started to search online “if statement in Python”. I found it super simple to write because most of them is like English with a bit of twist. Also, there isn’t a return type require for python, unlike C++/Java. Lastly, there isn’t annoying brackets, semicolon conventions to follow. I got the bubble sort done way more faster, compared to C++. In summary, I enjoyed on how to learn the basic of two programming language and compare them.