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CSCI 305

Assignment01

1 Compiled Language : C++

Interpreted Language: Python

1a Python is more readable than C++ due to the fact that it uses whitespace to indicate the beginning and ends of code blocks rather than the curly braces of C++. Whitespace is more readable because you don’t have to read anything to get the same information that you would get from reading the curly braces. Python’s use of empty space to convey information makes the code look less crowded and eliminates unnecessary characters

1b Python is more writeable because there is much less overhead when writing programs. If I wanted to write a program in Python to print Hello World it would only take two lines. In C++ a program with the same output would need many more lines like “#include <iostream>”. Also, if you want to use cout instead of std::cout, which is a pretty ugly command, you have to add another line which is ‘using namespace std;”. You don’t have to do any of this in Python.