

Contents

1 01.19.20 (C++ Ch. 2)

1

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A look at some basic C++ code

```
#include <iostream> //enables program to output data

//main function begins program execution
int main () {
    //cout currently a function as a part of the std namespace
    std::cout << "Welcome to C++!\n";
    //above << is an insertion operator, overloaded from the bitwise left-shift

    return 0;
}
```

A look at some higher level C++ code

```
#include <iostream>

int main () {

    int num1{0}; //list initialization
    int num2 = 0; //regular initialization
    /*No difference between list & regular initializtion with primitive types. List initi

    int sum{0}

    std::cin >> num1;
    std::cin >> num2;

    sum = num1 + num2;

    std::cout << sum << std::endl;
    //endl is helpful because it flushes the buffer, which the newline character does not
    return 0;
}
```