Bonus Day 2: The C++ Programming Language

different set of libraries and routines stdio.h is now iostream.h cout sends text to output device. redirect values to it cout << "Hello World!";</pre> cout ENCAPSULATES printing functionality and do not need to specify data types of variables to be printed like printf() add **bool** data type- either true- 1 or false-0 stored in a single byte classes define objects in c++ can declare a variable at any time- can wait to declare variable when ready to after declared basic variables will stay in scope until current block ends ex: need a counter for a for loop? just declare it in the for declaration overloading a function- use function name more than once must be differences between function prototypes data types OR less inputs OR default values void rectangle(int width = 3, int length = 3); should place values that will probably be defaulted as right as possible inline functions- requesting compiler to replace every function call with the literal code of the function- for speed- only good for smaller functions inline long square(long value); cin- does opposite of cout and redirects input into a variable

cin >> nbr;