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Functions, their functions, and how they function

In order to write a C++ function, you first need to declare what type will be returned by the function (if an int is to be returned, it must begin with int). This is followed by the function name, and in parentheses the value it's taking in, then this is followed by curly brackets where the actual function code will be in. Altogether this should look like "int function(int variable, int variable){}". C++ does accept multiple parameters, of different data types, so it could be (int variable, string variable), and that would be allowed too. While for regular functions C++ cannot return multiple values, it is possible by using tuples. In order to run functions, if within the same file, it must be above main, if in a different file then the main file must import the file with the functions.

C++ supports recursive functions, and you can implement functions to be both pass by reference, and pass by value. Although I believe that pass by value is a lot simpler to do.