

Lesson 2:
Introduction to the C++ Language

SEARCH

RESOURCES

CONCEPTS

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27. CODE: Formatting the Printed Bo...

28. CODE: Store the Board using the ...

29. Great Work!

Functions

The last thing you will need to learn in order to complete the next exercise is how to write a function. Fortunately, you have seen a function before when you wrote `main()`!

When a function is declared and defined in a single C++ file, the basic syntax is as follows:

```
return_type FunctionName(parameter_list) {  
    // Body of function here.  
}
```

See the following notebook for examples:

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On to the Exercise

Excellent work! You have learned quite a lot in the last few concepts, including:

- Accessing elements of a vector and getting the vector's size.
- How `for` loops work in C++, using iterators and range-based loops.
- Increment (and decrement) operators.
- How to write your own functions.

In the next exercise, you will write two `for` loops to print the contents of a 2D vector so you will be able to print the grid in your project!

NEXT