

Lesson 2:
Introduction to the C++ Language

SEARCH

RESOURCES

CONCEPTS

1. Intro

2. CODE: Write and Run Your First C...

3. Compiled Languages vs Scripted L...

4. C++ Output and Language Basics

5. CODE: Send Output to the Console

6. How to Store Data

7. Bjarne Introduces C++ Types

8. Primitive Variable Types

9. What is a Vector?

10. C++ Vectors

11. C++ Comments

12. Using Auto

13. CODE: Store a Grid in Your Progr...

14. Getting Ready for Printing

15. Working with Vectors

16. For Loops

17. Functions

18. CODE: Print the Board

19. If Statements and While Loops

20. Reading from a File

21. CODE: Read the Board from a File

22. Processing Strings

23. Adding Data to a Vector

24. CODE: Parse Lines from the File

25. CODE: Use the ParseLine Function

26. Formatting the Printed Board

27. CODE: Formatting the Printed Bo...

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

29. Great Work!

Parse Lines from the File

"S"	"T"	"R"	"I"	"N"	"G"
-----	-----	-----	-----	-----	-----

Now that you are able to read a board line by line from a file, you will want to parse these lines and store them in a `vector<int>`. In this exercise, you will focus on a helper function to do this string parsing.

We have included a test in the `main` to ensure that the function is working correctly. If everything works, you should see:

```
-----
TestParseLine: passed
-----
```

To Complete This Exercise:

Write a `vector<int> ParseLine` function which accepts a string as an argument. Use `std::istringstream` to parse the line by comma `char`'s, and store the `int`'s in a `vector<int>`. `ParseLine` should return the vector after parsing.

Note: you will need to `#include <sstream>` to use `istringstream`. Additionally, you may want to add `using std::istringstream;` to your program. Finally, remember that each line of the board will look something like: `1,0,0,0,0,0,` so you may want to stream an `int` and a `char` with each pass through a `while` loop.

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/> home > workspace

1.board

main.cpp

solution.cpp

test.cpp

main.cpp

1 * #include <fstream>

2 #include <iostream>

3 #include <string>

4 #include <vector>

5 using std::cout;

6 using std::ifstream;

7 using std::string;

8 using std::vector;

9

10 // TODO: Add the ParseLine function here.

11

12 * void ReadBoardFile(string path) {

13 ifstream inFile(path);

14 }

+ BASH

root@e310bf8bc987: /home/workspace#

↑ Menu

↗ Expand