

Functional Programming

CMPT 331 - Spring 2023 | Dr. Labouseur

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April 21, 2023

1 LOG

1.1 PREDICTON

I am predicting that it will take me around **20 hours (average of 4 hours per programming language)** for me to learn Fortran, COBOL, BASIC, Pascal, and Scala and build a Caesar cipher in each language. This is an extremely rough estimate as I have never used any of these programming languages before and will have to learn each of them starting with "hello world." I am sure that I will have moments of staring at my computer screen for extended periods of time due to a weird nuance or gimmick in at least one of these programming languages that is not common in more modern languages. However, despite my lack of familiarity with these languages, I am hoping that there will be some nice similarities between them, so my approach to writing the Caesar cipher does not drastically change between them, and each implementation can easily be compared to each other on an even playing field.

1.2 PROGRESS LOG

Date	Hours Spent	Tasks / Accomplishments / Issues / Thoughts

1.3 FINAL RESULTS AND ANALYSIS

2 COMMENTARY

2.1 LISP

2.1.1 MY THOUGHTS

2.1.2 GOOGLE SEARCH HISTORY

2.1.3 CODE AND TESTS

2.2 ML

2.2.1 MY THOUGHTS

2.2.2 GOOGLE SEARCH HISTORY

2.2.3 CODE AND TESTS

2.3 ERLANG

2.3.1 MY THOUGHTS

2.3.2 GOOGLE SEARCH HISTORY

2.3.3 CODE AND TESTS

2.4 FUNCTIONAL JAVASCRIPT

2.4.1 MY THOUGHTS

2.4.2 GOOGLE SEARCH HISTORY

2.4.3 CODE AND TESTS

2.5 FUNCTIONAL SCALA

2.5.1 GOOGLE SEARCH HISTORY

2.5.2 CODE AND TESTS