

# Lab 1

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Course: CS2040

Date: 3/10/21

- What did you learn from doing this lab?
  - Being that this was my first time writing code in Ruby, I learned a lot. The first thing that I learned is that when writing Ruby code, you do not include an “end” at the end of the code in order to terminate the execution of the code, as long as you don’t have an infinite loop the code will terminate by itself. In addition, I learned that the syntax of Ruby is very similar to Python, which has made life much easier in the process of learning simple things such as loops and conditionals. However, some key differences are that indentation does not matter in the eyes of Ruby, however it should still be used correctly to improve readability. Lastly, the importance of the call to “end” was learned. This concept of how having to explicitly tell a program when a conditional or loop is over is a new concept to me.
- What did you find challenging about the lab?
  - The most complicated aspect for me was the use of the “end” instruction in order to signal to the program that the most recent loop or conditional ends at this point. The use of a specific word for this tripped me up, but in hindsight I believe that if I simply think of “end” as a closing curly bracket I shouldn’t have an issue in the future. Lastly, one point of difficulty for me was the case where 0 division occurred, however, this was eventually solved with simple conditional statements for these cases.
- What would you recommend changing if this lab is reused in future years?
  - The only recommendation that I have for this lab in future years would be to simply put more emphasis on how to format Ruby for this program in a text editor, such as explaining that it is not necessarily required that a class or even functions are to be created.