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Project #1 – Check for months with 5 full weekends – Clojure

How to run program:

Store the Clojure file in some directory. Open the command prompt and go to the directory. Then enter "lein exec file_name.clj" to run the program (install Leiningen Clojure compiler if you haven't – you will also need to alter some files to download the exec package). The program will ask for a value (any year after 2000) to be entered, after which it will display all the years from 2000 to the year you entered that do not have any months with 5 full weekends (Friday, Saturday, and Sunday).

About the Language and Program:

Clojure was probably the hardest program to write. This primarily stemmed from the significant syntax difference that it brings. Everything is reversed with the language where the operation comes first followed by the two parameters that it operates on. Since I was able to use the calendar class from java, this made things a little simpler as I have worked with Java before, but since the syntax had to followed it was still somewhat difficult. Additionally the immutable data types was somewhat difficult to use until I found out about "atom" which made things easier as you can change initialized variables later on with this. The algorithm used was the same as the ruby program and any bugs in the code exist around handling user input.