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

How to run program:

Store the Ada file in some directory. Open the command prompt and go to the directory. Then enter “gnatmake file\_name.adb” to compile and “file\_name” to run the program (install Ada compiler if you haven’t). 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:

Working with Ada was probably one of the 2 harder tasks for me as I have never used the language before and the language syntax and structure is somewhat different from the more common modern day languages used today. Additionally I felt that since Ada is an older language, there were not too many online resources to help out. In particular finding out the how to use the calendar class was not that easy, but once that was understood I was able to follow the same algorithm as in Ruby. The nice thing with Ada was the capability to iterate over the year, month, and day in a triply nested for loop which made things a little simpler as I did not have to handle incrementing the month or year each time as this was done automatically. Bugs with the code will primary exist with the user input as I do not handle the potential errors that may occur very well.