

## **Problem 2**

Having heard of the Fibonacci sequence before, and being a fan of Leonardo da Vinci, I knew the Golden Ratio was a key aspect to his art(istic proportions). However, googling it again and seeing it's mathematical ties, gave some logic to the concept. It provided an appreciation of how a simple pattern of adding numbers can yield to what some may terms as the “divine proportion” found in nature and art. And this lab brought this concept and it's implementation to life through code; by seeing the convergence of the ratios come to life.

Furthermore, the lab provided solid lessons in handling, processing (with the use of created functions/methods) and presenting data (in formats like json). Nesting dictionaries and using json gave a feel of real world applications of data handling with python, by taking it a step further from just printing output to the terminal to storing and saving it in a different file all together.