CSC 341

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Homework 3

1. **Like Lab 3.** One of the statistical quantities in our stats function was the minimum. Adapt that code to make a "kth smallest" function.

**scores = [78, 98, 86, 57, 92, 88]**

Text

Description automatically generated

1. **Like Lab 4 (Order.py).** Import the os module and use it to set the current working directory to be that of the python file. Read the file Kepler.csv which contains on each line the name of a planet, the period of the planet (T), and the distance of the planet to the sun (a). Read the file and make three lists. Print out the data and include the quantity T2/a3 as shown below for Mercury.



According to Kepler's Third Law, that last quantity should be almost the same for all of the planets.