File i/o with Python

- Students will develop a correct program to solve problems.
- The students will open and read from an input file using Python.
- The students will declare and write to an output file using Python.

Journal

- List some data sets that would be easily written to, accessed and/or stored as files. Why are these best as "persistent" files rather than in temporary memory?

Discuss Homework

10

numbers 1-52 to represent cards

randomly generate

mapping to cards

1 = A of spades
2 = 2 of spades

2 lists   A - K   1-13

Suites   1-4

checked previously generated

Python Lab - Step 1

fout.write(str (sumDice))

fout.write ('\n')

2
4
10
12
9
4
8

sum

- Open the Python program(s) for rolling two six sided and one twelve-sided dice (from lesson 4-3).

`* start fout = open('diceRolls.dat', 'w')`

→ sum db 2 6 5
→ 12 sided

- Edit the code so it rolls the dice 1000 times and write the results of each roll to an output file named diceRolls.dat

fout.close()

Python Lab - Step 2

Use that file in Google Sheets to analyze the data

Write a conclusion about similarities and differences in using the different simulations of a 2 dice sum role along with the data analysis. Submit your findings in google classroom. (homework if not finished)