

CS150 - Writing to a file

Note Title

3/7/2012

Announcements

- HW due tomorrow
- No office hours today
- Office "half hour" tomorrow: 12-12:30
- Quiz Friday

Last Time

Reading from a file

Initialize a variable to represent the file:

```
inputfile = file('name.txt')
```

Today: Writing to a file

open file: `output = file('name', 'w')`

will create a new file

open existing file

Write commands:

`output.write(string)`

`output.write('... /n')`

Another unix utility: nl

Adds line #s to a file:

Ex: nl Point.py

We'll code this in python.

Idea: read from 1 file
write with line #s to another

Random access

to open : 'r+'
'w+'

← give me random access

Functions:

filename.tell() ← gives
current pos

filename.seek(position)

File:

Dwight D. Eisenhower
John F. Kennedy
Franklin (E) Roosevelt
Harry S. Truman
↳ D

Practice: 8.6 in textbook

Create a file `people.txt` which has the following format: `person bothyear`

Ex:

```
St. Edward the Confessor 1003
Matilda 1102
Edgar the Peaceable 942
Ethelred the Unready 968
```

Write a program that reads this file and reports the name of the oldest person.

For example, on above, program should print:

Edgar the Peaceable

Practice 8.7

Write a program that creates a new file called `message.txt` that contains:

This is a test.
How did I do?
Goodbye.

← EXACT!