# **COMP 141**

File Reading, split function



1

### **Announcements**

- · Program 6 has been assigned
  - Due on Sunday, April 5<sup>th</sup> by 11:55pm
  - Upload to Moodle (as usual)

2

# **Practice From Last Time**

Open your randomNums.txt file that you created last time and read in

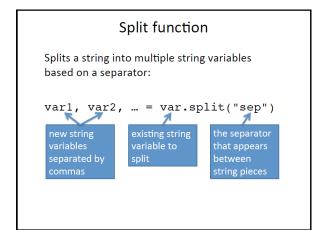
- 1. Output the sum and average of the numbers in your file.  $\checkmark$
- 2. Calculate the consecutive differences between numbers in the file.
- **3. Challenge**: edit your program to print out the smallest and largest values in the file.
  - $-\,$  If you need a randomNums.txt file, I put mine in my Box.com directory.
  - Remember that the randomNums.txt file and your Python file need to reside in the same folder!

 Pseudocode for finding the largest number in a collection of numbers:

- largest = [smallest possible number that you could ever see]
- look at each number once: if the current number > largest, then largest = current number
- after this loop, largest will have the largest number in it!

3

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# Reading multiple strings per line file = open("filename.txt", "r") for line in file: line = line.rstrip() var1, var2, ... = var.split("sep") # do something with var1, var2, etc. Should say line.split("sep")

5

## **Class Practice**

- Use the dogs.txt file in my Box.com directory
- Write a program to print the year the oldest dog was born, and the year the youngest dog was born.
- Edit your program to print the name of the oldest and youngest dog.

```
mile Edit Format View Help
Niko,2007
May,2007
Gigi,2006
Mambo,2015
Lucy,2010
Tommy,2011
```

## **In-Class Lab**

On course website

6

8

7