

Admin

Assignment 7 due tomorrow

Assignment 8 out soon

Talk today 4:15 in Rose Hills Theatre

A few last things about classes

Look at rectangle3.py code

- Taking objects of the same type as parameters (e.g. equals)
- Calling methods inside the class
- Instance variables do NOT have to be the same thing as the parameters for the constructor

Assignment 7 comments Think about how you want to use the objects (i.e. your program) and let that motivate the class design, i.e. the methods, etc. Class names should be capitalized CamelCase class names that are multiple words class PomonoStudent class WalkieTalkie class StarWarsCreature

Assignment 7 comments

If your program requires a file to work (i.e. to read data from):

- create a folder: first-last-assign7
- put both the .py file and the .txt file in there
- zip of the folder and submit that

Be careful about filenames!

- files have extensions (that are sometimes hidden by the OS). On mac, you can do CMD+i to get information about the file, including the full filename
- We're only reading .txt file (other files have formatting information!)
 - Wing saves files just as text files automatically (though you'll need to make sure to include the .txt extension)
 TextEdit: Format -> Make Plain Text

 - Windows: Use notepad (or in Word, "Save as..." and select .txt

Other ways of reading from a file

reader = open("myfile.txt", "r")

Read the whole file: for line in reader: # do something with each line of the file

Read one line of the file: next_line = reader.readline()

Do dictionary example!





















6

1

- [Tal

to_visit

10

15

12

How do we start?

18

11

Search algorithms

add the start state to to_visit

Repeat

- take a state off the to_visit list
- if it's the goal state
- we're done!
- if it's not the goal state
 Add all of the successive states to the to_visit list

Depth first search (DFS): to_visit is a stack Breadth first search (BFS): to_visit is a queue