

Use of Files

Mechanics

1. How to read from an input file
2. How to write into to an output file.

Applications

1. Maintaining high score list.
2. Reading in a text grid to display graphically

~~myfile = open("scores.txt", "r")~~ → read from file

myfile = open("scores.txt", "r") → file needs to be in same directory as code.

myfile.readline() returns whole line

"Orlando Florida 99"

toks = myfile.readline().split()

toks → ["Orlando", "Florida", "99"]

temp = int(toks[2])

3
Arup 40
Glenn 20
Ali 8

Lillian 87

old list

[[40, "Arup"], [20, "Glenn"], [8, "Ali"],
[87, "Lillian"]]

scores.sort(reverse=True)

Work to a file

newfile = open("scores.txt", "w")

name of file
mode write

numscore = min(10, len(scores))

newfile.write(scores[i][1] + " " +
+ str(scores[i][0]) + "\n")

newfile.close() → DONE

readline "8 10"

readline.split toks → ["8", "10"]

r = int(toks[0])

c = int(toks[1])