



CSCI 1300

Intro to Computing

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Lecture 13

Feb 13, 2013

More Python Dictionaries Helper Functions

Upcoming Homework Assignment

HW #3 **Due: Friday, Feb 15**

Python Dictionaries

Assignment has been up since Monday. Follow @cs1300_cs2270 to get updates on this stuff. This is mostly about dictionaries, which is what we did in class on Monday and will continue doing today. Get started early so you can get help!

Lecture Goals

1. Test Results
2. More on Dictionaries
3. Helper Functions

Tests Up Front!

Tests sorted by last name.

A on your left

Z on your right

Get your test, don't derp and stand there and block people.

Class starts at 1:15. Read your test!

This is an entire Python program to let me see hw scores:

```
1 import os, sys
2 from sys import argv
3
4 os.environ.setdefault("DJANGO_SETTINGS_MODULE", "retrograde.settings")
5
6 from homework.models import *
7
8 if __name__ == "__main__":
9     if len(argv) < 2:
10         print "Usage: report_scores <hw dir>"
11         print "\nThis is the same dir as in the grading-scripts"
12         exit()
13
14     hw_dir = argv[1]
15     max_points = 15
16     if len(argv) > 2:
17         max_points = int(argv[2])
18     hw = Homework.objects.get(instructor_dir=hw_dir)
19     num_students = []
20     for i in range(max_points + 1):
21         scores = Score.objects.filter(homework=hw, normal_points = i)
22         num = 0
23         for score in scores:
24             num = num + 1
25         print "%d: %d\t | %s" % (i, num, num*' *')
26         num_students.append(num)
27     print "Total students participating: %d" % sum(num_students)
```

```
$ python report_scores.py hw_3_maps 10
```

| | | | |
|-----|----|--|-------|
| 0: | 11 | | ***** |
| 1: | 6 | | ***** |
| 2: | 5 | | ***** |
| 3: | 3 | | *** |
| 4: | 0 | | |
| 5: | 2 | | ** |
| 6: | 0 | | |
| 7: | 3 | | *** |
| 8: | 3 | | *** |
| 9: | 3 | | *** |
| 10: | 14 | | ***** |

Total students participating: 50