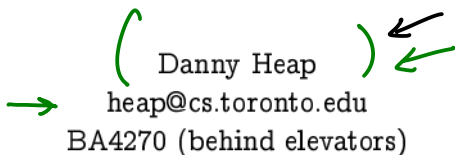


CSC148 fall 2013

Introduction to computer science week 1

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Outline

Introduction

object-oriented design

What's CSC148 about?

- ▶ well first, CSC108 was about if statements, loops, function definitions and calls, lists, dictionaries, searching, sorting, classes, documentation style. So you've got all that down. . .

- ▶ . . . otherwise, sign up for the CSC148 ramp-up session September 14th or 21st, 10-4
148rampup@cs.toronto.edu *← write soon!*

But what's CSC148 about?

- ▶ how to understand and write a solution for a real-world problem

write specifications, translate into code

- ▶ abstract data types (ADTs) to represent and manipulate information

- ▶ recursion: clever functions that call themselves

define lots of these.

- ▶ exceptions: how to deal with unexpected situations

- ▶ design: how to structure a program

*focus on Object-Oriented paradigms → functional
touch on other paradigms → imperative.*

How's this course run?

All answers in **course information sheet**. Spoiler alert: meaning of life is 42. . .

python infested by objects



Here are some built-in objects to fool around with:

```
>>> w1 = "words"  
>>> w2 = "swords"[1:]  
>>> w1 is w2  
False  
>>> import turtle  
>>> t = turtle.Turtle()  
>>> t.pos()  
(0.00,0.00)  
>>> t.forward(100)
```

python infested by objects



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