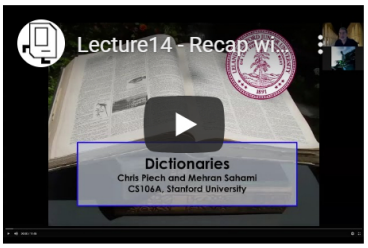
Lectures

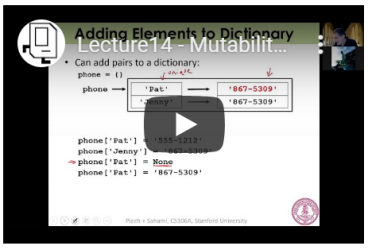
Lectures are released every Monday/Wednesday/Friday at 10am PDT.

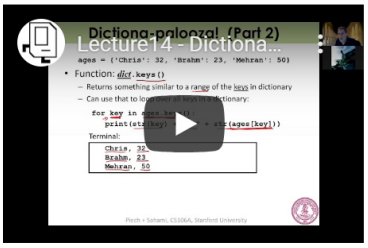
Lecture 14 - Dictionaries

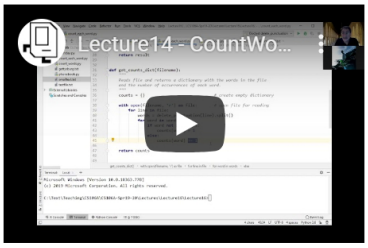
MAY 13TH, 2020

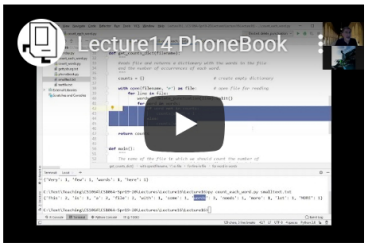
📢 Final projects start today!











Lecture Files

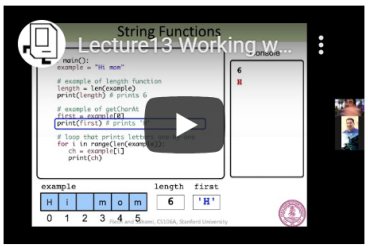
Slides Lecture Code

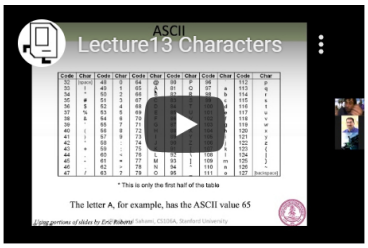
Learn how to work with dictionaries a new container

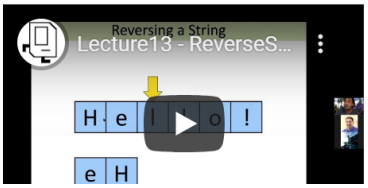
Lecture 13 - Text Procession

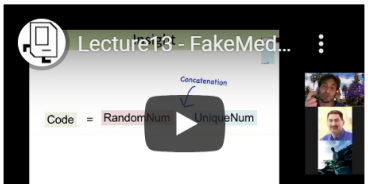
MAY 13TH, 2020

📢 Your last section is today! Submit your assignment 3.










Lecture Files

Slides

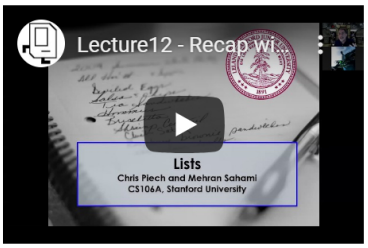
Lecture Code

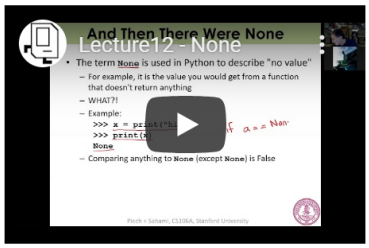
Learn how to work with strings

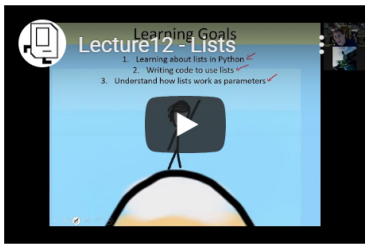
Lecture 12 - Lists

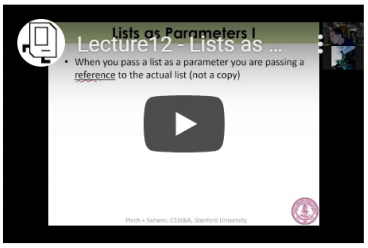
MAY 11TH, 2020

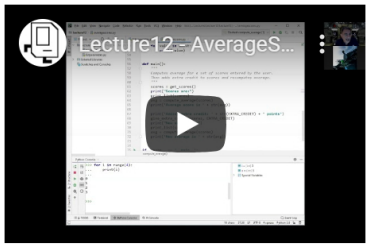
📢 The last assignment (images) is due on Wednesday











Lecture Files

Slides

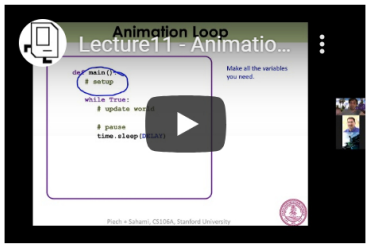
Lecture Code

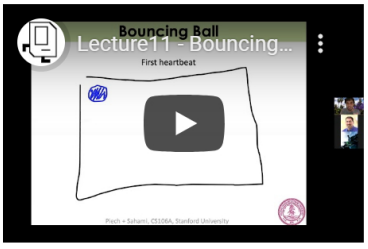
Lists are truly useful for final projects

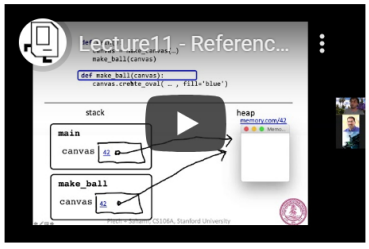
Lecture 11 - Animations

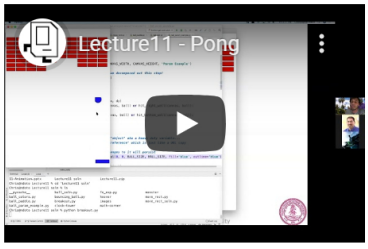
MAY 8TH, 2020

📢 Have a great weekend. Finish your diagnostic by Sunday night









Lecture Files

Slides

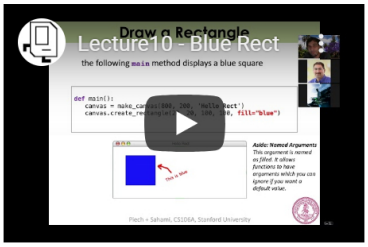
Lecture Code

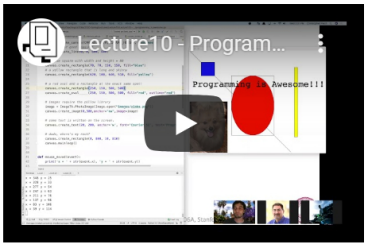
Make graphics that move!

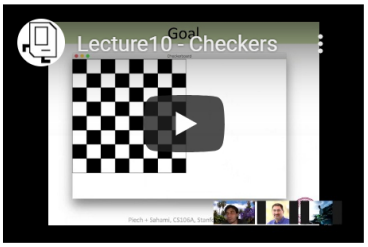
Lecture 10 - Graphics

MAY 6TH, 2020

📢 Section today is directly helpful for your next assignment!







Lecture Files

Slides

Lecture Code

Make a graphical program (first step towards movies and games)

Diagnostic Day

MAY 4TH, 2020

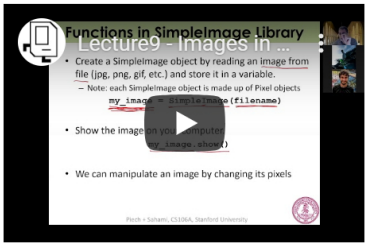
📢 We are giving you a day off so you have time to take the diagnostic

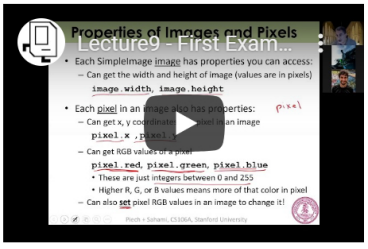
May the 4th be with you

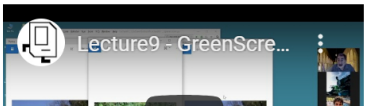
Lecture 9 - Images

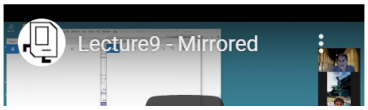
MAY 1ST, 2020

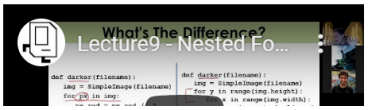
📢 The goal deadline for Assignment 2 is tonight!

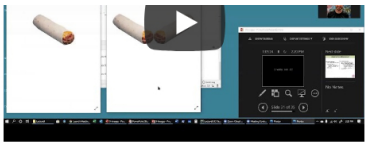











Lecture Files

Slides

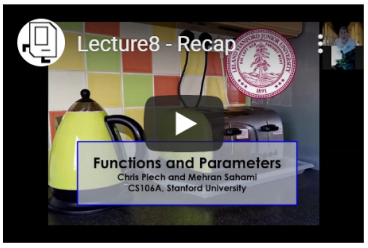
Lecture Code

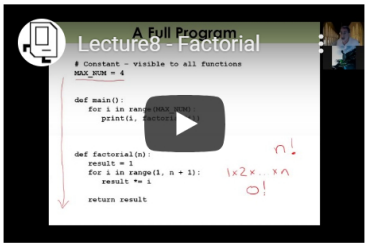
Edit photos from Python!

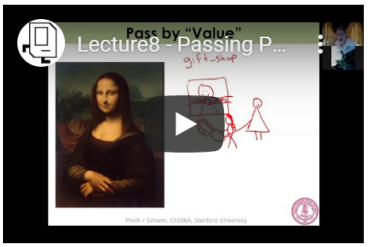
Lecture 8 - Functions More Practice

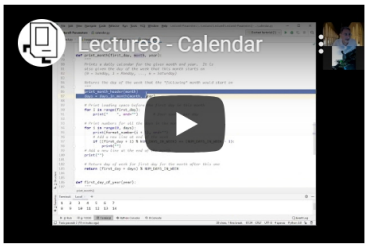
APRIL 27TH, 2020

📢 Whats the best way to master this concept? Going to section!









Lecture Files

Slides

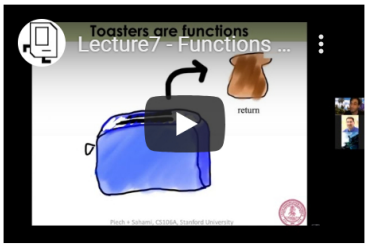
Lecture Code

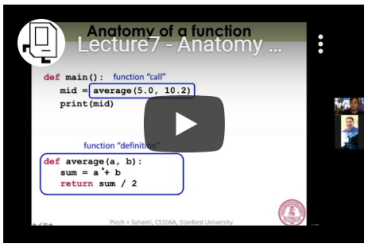
More practice with functions is always a good time.

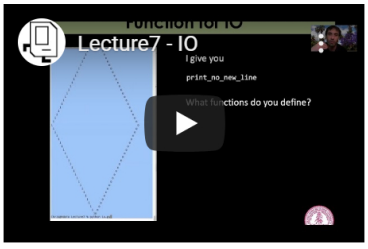
Lecture 7 - Functions Revisited

APRIL 27TH, 2020

📢 Welcome back to week 3. If you haven't gotten started on assignment 2, its time to get going on it!







Lecture Files

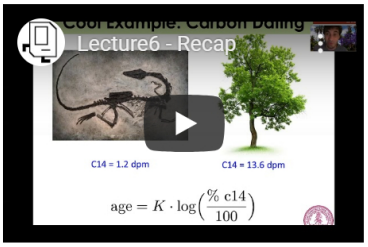
Slides Lecture Code

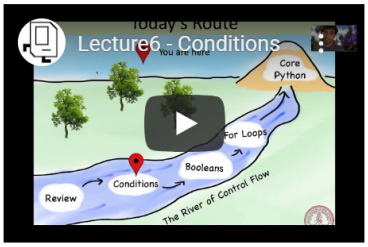
Revisiting functions. Now with parameters and returns.

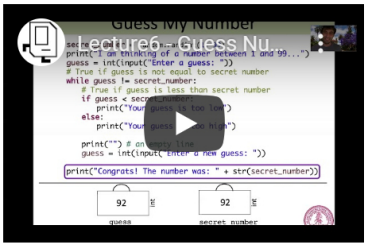
Lecture 6 - Control Flow Python

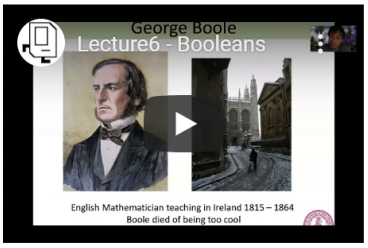
APRIL 24TH, 2020

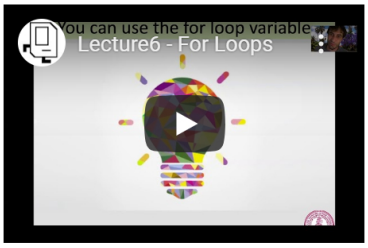
📢 Have a wonderful weekend and we will see you back here on Monday.

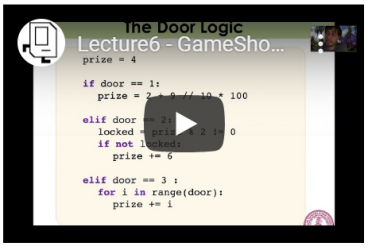












Lecture Files

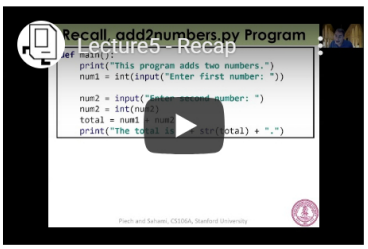
Slides Lecture Code

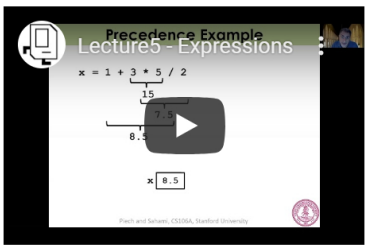
Our old friends while/if/for, but now in native python.

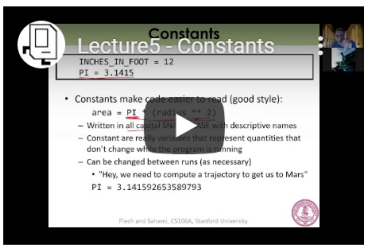
Lecture 5 - Expressions

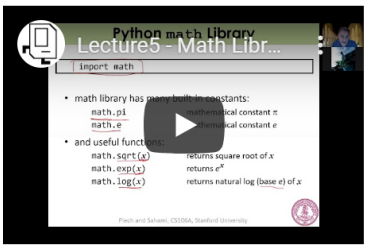
APRIL 22ND, 2020

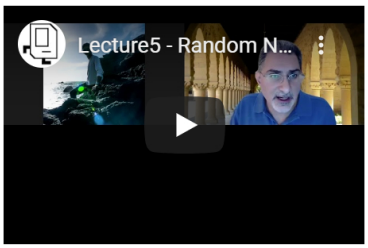
📢 Please go to your second section! Support your section leader :-)

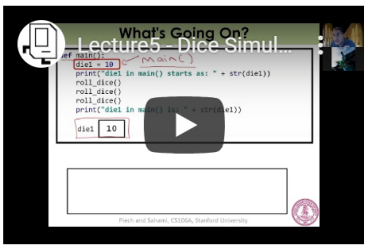












Lecture Files

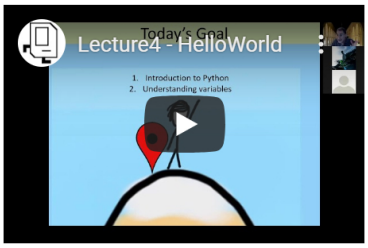
Slides Lecture Code

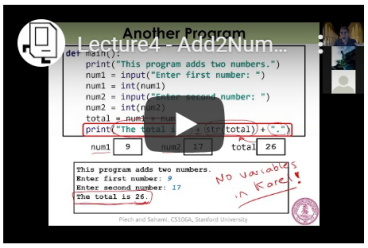
The idea of variables is the next great idea in your computer science journey.

Lecture 4 - Variables in Python

APRIL 17TH, 2020

📢 The submission system will be coming online today. Recall that this class isn't for grade!





Lecture Files

Slides

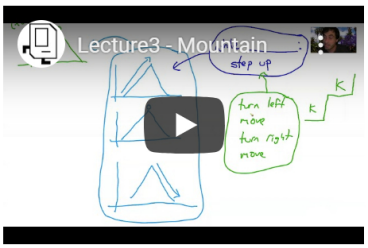
Lecture Code

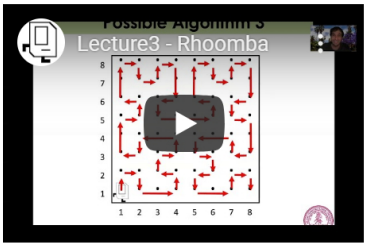
The idea of variables is the next great idea in your computer science journey.

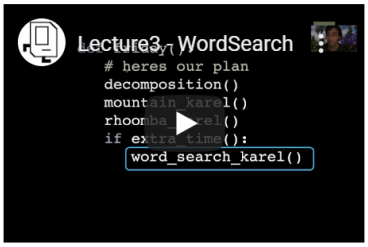
Lecture 3 - Decomposition

APRIL 17TH, 2020

📢 How can you solve large problems in Karel? Have a great weekend and see you on Monday!







Lecture Files

Slides

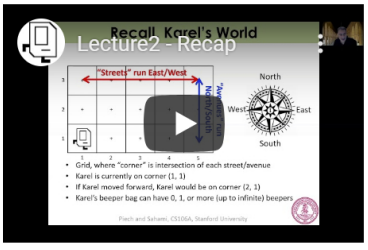
Lecture Code

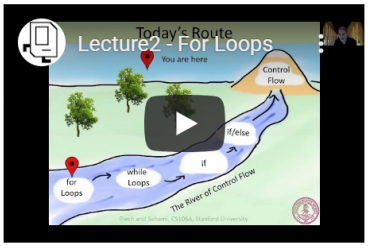
The Online Karel IDE can be found at the bottom of the assignment 1 handout.

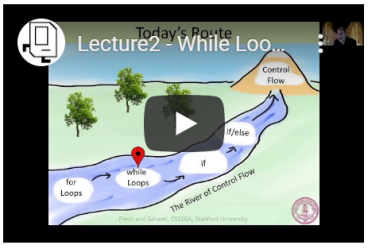
Lecture 2 - Control Flow in Karel

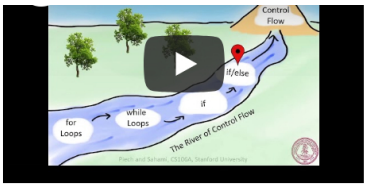
APRIL 15TH, 2020

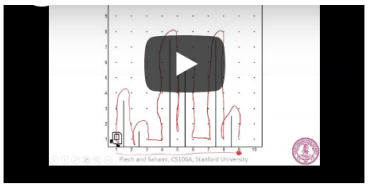
📢 After these videos you will be ready to get started on Assn 1. Many people started earlier. Great! But not the expectation.











Lecture Files

Slides

Lecture Code

These ideas (for, while, if) are core fundamentals of computer science. Take your time to understand them!

Lecture 1 - Welcome to Code in Place

APRIL 13TH, 2020

📢 Try and watch this lecture and read the rest of the Karel reader by next lecture (in about 48 hours, or Wednesday 10am PDT).

Lecture Files

Slides

We talked a bit slower than normal to make sure we were easy to understand. You can speed up the video! On Wednesday we will cover for loops, while loops and if statements