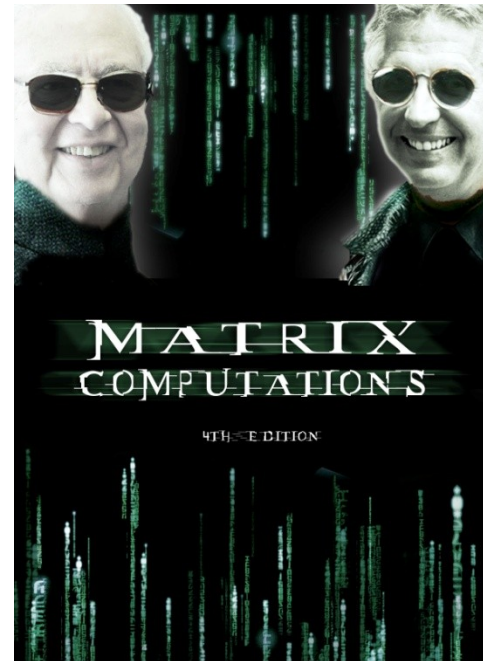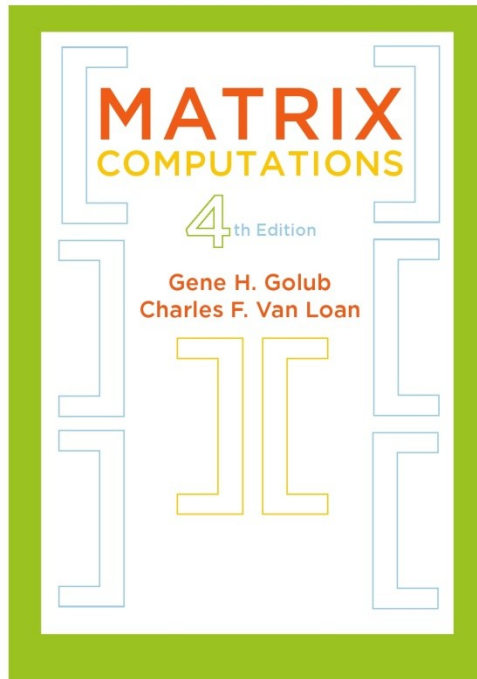# CS 1110
Introduction to Computing Using Python

Instructors:
Professor Lillian Lee
Professor Charles Van Loan

Introducing Professor Van Loan…

- University of Michigan BA (1969), MA (1970), PhD (1973)
- In 2008, named a Fellow of the Society for Industrial and Applied Mathematics (SIAM))
- Author/Co-Author of Seven Books Including

Introducing Professor Lee…

- A.B. Cornell '93, Ph.D. Harvard '97

- In 2013, named a Fellow of the Association for the Advancement of Artificial Intelligence (AAAI)

  ▪ Can computers **learn how to paraphrase our writing?** —*The New York Times* What kind of language distinguishes **memorable movie quotes**? —NPR's *All Things Considered*, *The Today Show*

"FRANKLY, MY DEAR, I DON'T GIVE A DAMN" TOPS AFI'S LIST OF 100 GREATEST MOVIE QUOTES OF ALL TIME

OTHER WINNERS INCLUDE:

THE GODFATHER, "I'M GOING TO MAKE HIM AN OFFER HE CAN'T REFUSE"

THE WIZARD OF OZ, "TOTO, I'VE GOT A FEELING WE'RE NOT IN KANSAS ANYMORE"

AND CASABLANCA, "HERE'S LOOKING AT YOU, KID"

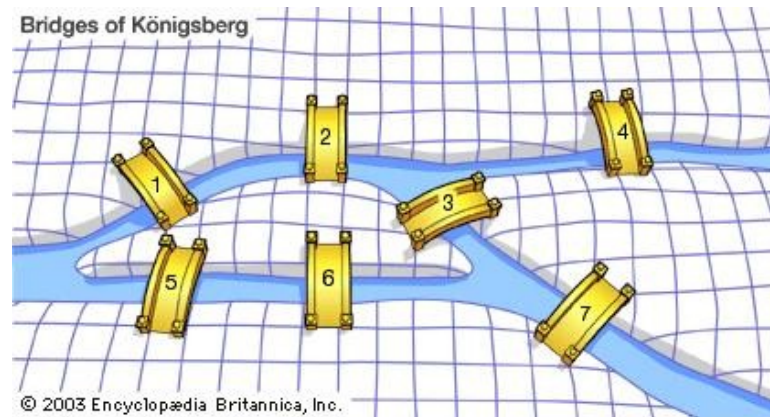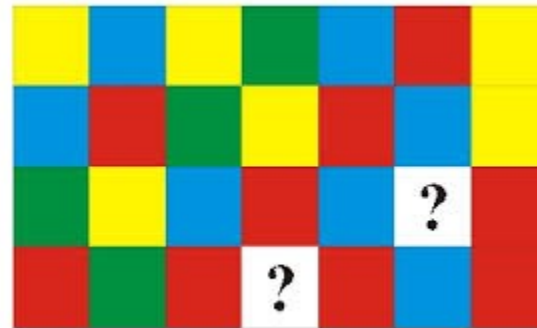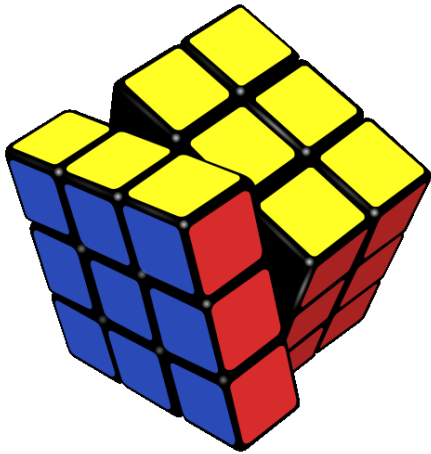AFI's 100 YEARS 100 "Movie Quotes"

Are You Ready?

Actually, you are probably more than ready to take CS 1110.

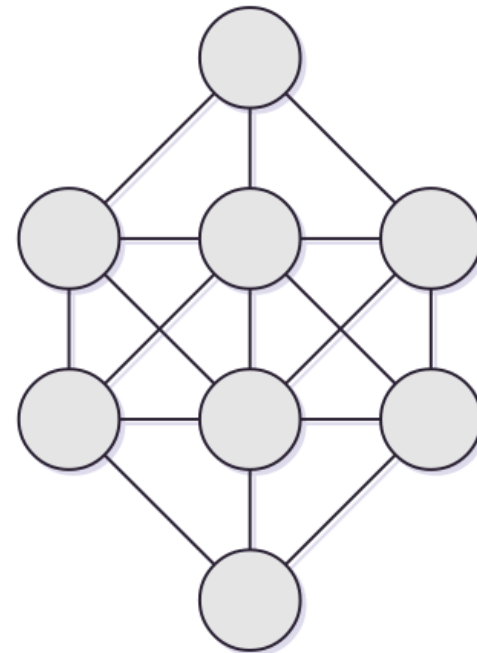Here is why....

You Like Logic Puzzles

You Like Number Puzzles

You Like Word Puzzles

(Andy Vierstraete 1999)

You Practice the Science of Deduction

You Like the Idea of Designing and Building

You Have a "Thing" About Encoding Information & Language
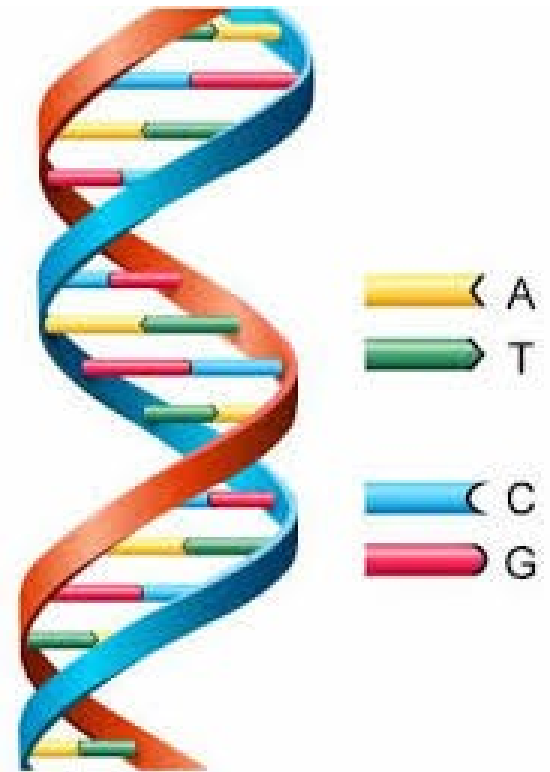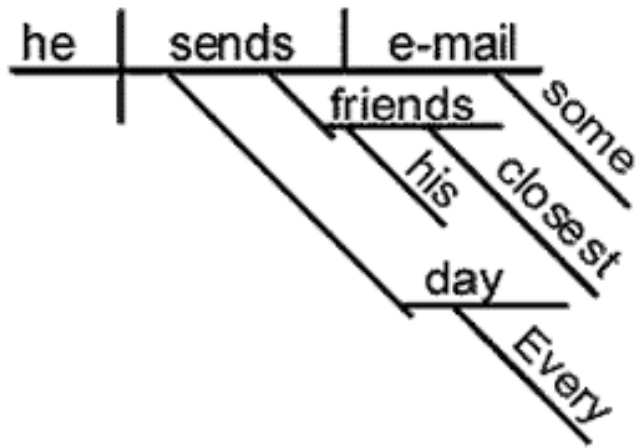
You Have Experience with Step-by-Step Procedures

PARALLEL PARKING

1 Stop even with car ahead and about a foot and a half away from it.

2 Turn wheel sharp right and back slowly straight toward car behind.

3 When clear of car ahead turn wheels sharp left and back slowly to car behind.

4 Turn wheel sharp right and pull toward curb in center of parking space.

Wheels adjacent to curb must not be more than 12 inches from the curb.

56

$3 \overline{) 168}$

-15

18

18

$6 \times 3 = 18$

Julia Child

VOLUME ONE

Mastering the Art of French Cooking

Louisette Bertholle
Simone Beck

You Had an English Teacher Who Taught You How to Write

An SPSE Essay

Introduction
Outline background and aims

Situation
Background and context for the problem

Problem
What is the problem and its effects?

Solution
Two or more potential solutions

Evaluation
How effective are the solutions?
Which is most effective?

Conclusion
Summarise all main points

You Wonder Why a Picture is Worth 1000 Words
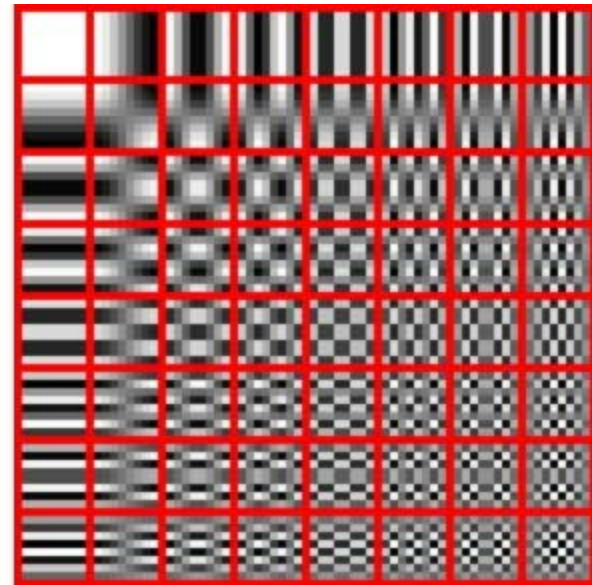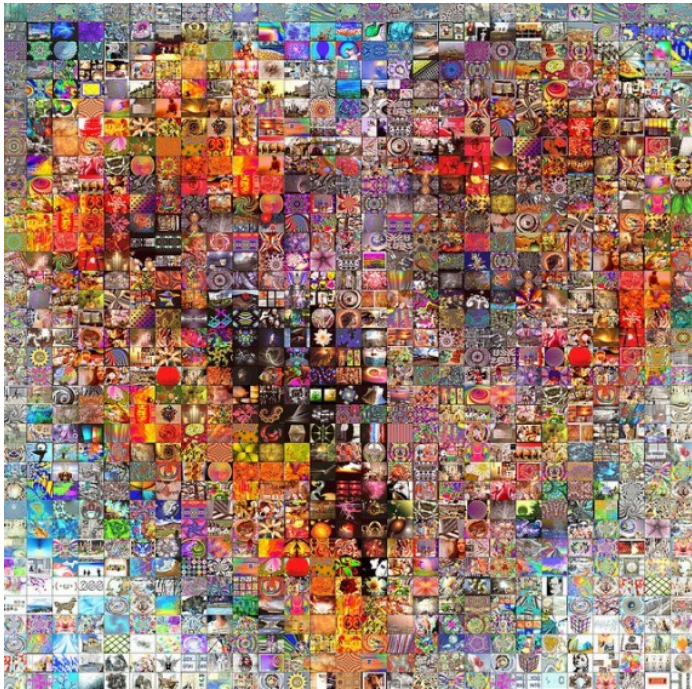
You Wonder How It All Works

CS 1110: It's About the Car and...

what you see out the window.

The Car is Important

That is why we use Python.
it will get you to L.A.

The Route is Really More Important
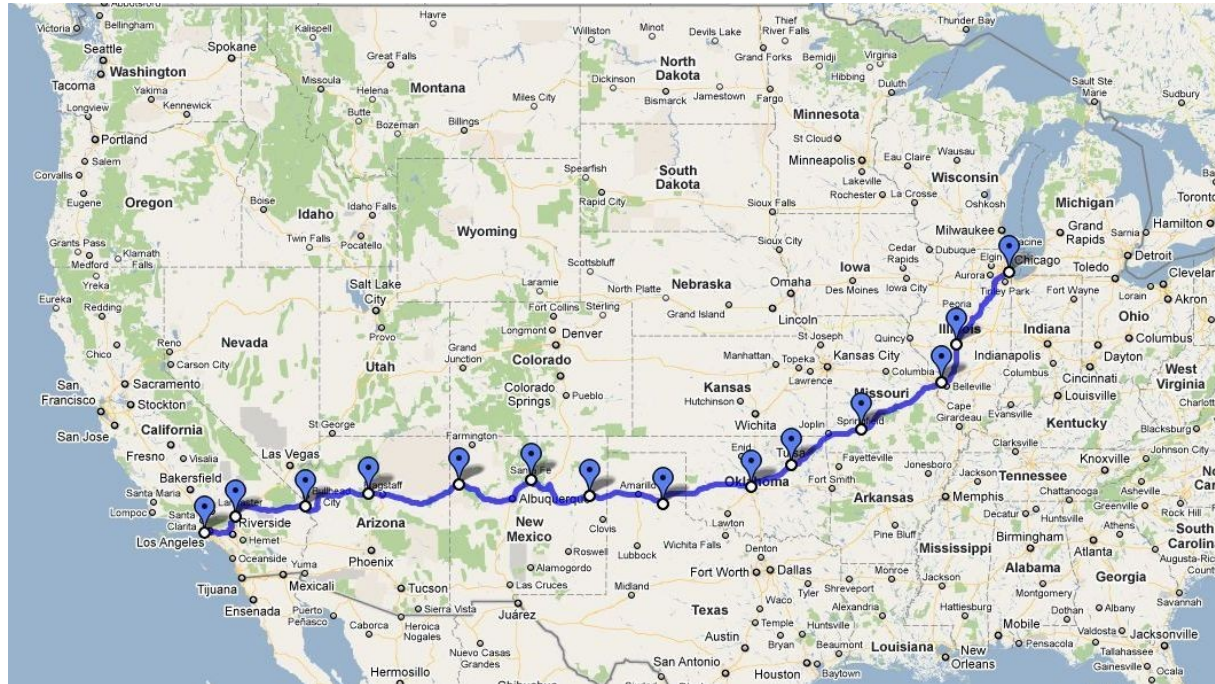
It determines what you see and what you might revisit.

Let's Get Set

Here are two things that you can do right now.

1. Bookmark the Course Website

`http://www.cs.cornell.edu/courses/cs1110/`**2016sp**

Any time that you are about to work on any aspect of CS1110, you should first check the Announcements Page.

If you do not see this logo, then you are on the WRONG website!

2. Read Through the Course Website

- How is the Course staff structured?
- What about Office Hours?
- How do we use Piazza?
- How do you get the book Think Python?
- How do Lectures and Labs work?
- What about Exams, Assignments, and Grading?
- What is CS 1110 Academic Integrity?
- How do you get your laptop set up?

Start-of-Term Issues?

-- If you have a problem with the section that you are in or not in, be patient and follow the latest advice offered on the Announcements page.

-- Special paperwork or situation? Wait until next week or visit us in Olin 128
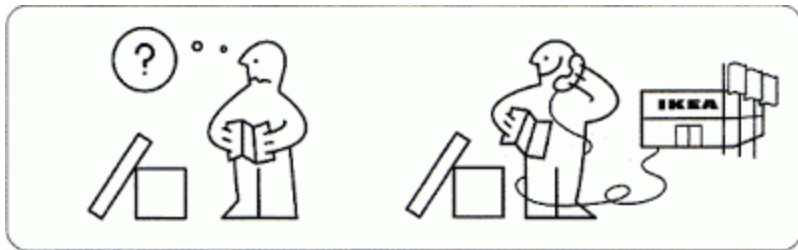
10:10-11:00 any TuTh starting today

Two things to
keep in mind right from the
start….

1. Have a Staggered Start Perspective

Your "better prepared" classmates do not really have an advantage."

2. Do Not Be Afraid to Ask For Help Early

It is not a sign of weakness.