EE 200 Lecture 10:
Recursion

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When is recursion useful?

Recursion is most useful when your data is recursive:

File systems (directories inside directories)

Data files (like XML, JSON)

Divide-and-conquer algorithms (e.g., sorting)

In-memory structures (part 3 of this course)

When should you use recursion?

Simple rule:
if it makes your code simpler and easier to understand.

More complex qualifier:
... and it doesn't cause performance problems or risk a stack overflow.

Exam 1

Watch for signup posted on Piazza

Homework 8 is hosted on Github

You have your own repository for this assignment; find the URL by going to your Github page.

HW 7 due **Thursday** 10/12

HW 8 due Tuesday 10/17