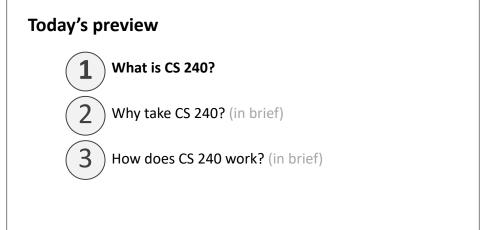


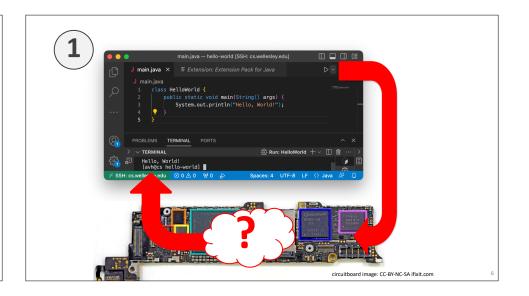
<section-header><section-header><section-header><section-header><image><text><image><image><list-item><list-item><list-item><image>

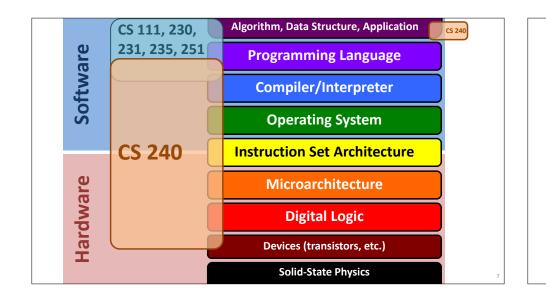


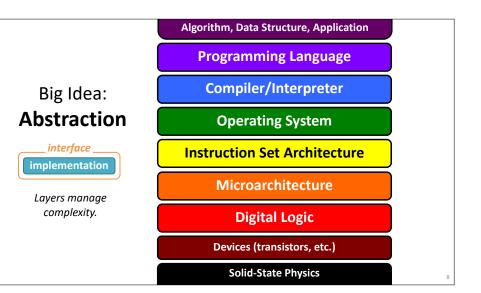
CS 111, 230, 231, 235, 251:

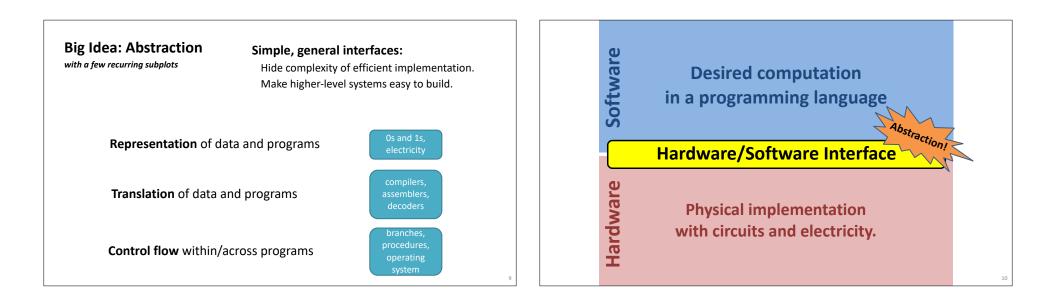
- How do you use programming to solve a problem?
- How do you structure a program?
- How do you know it is correct or efficient?
- How hard is it to solve a problem?
- How is computation expressed?
- What does a program mean?
- ...

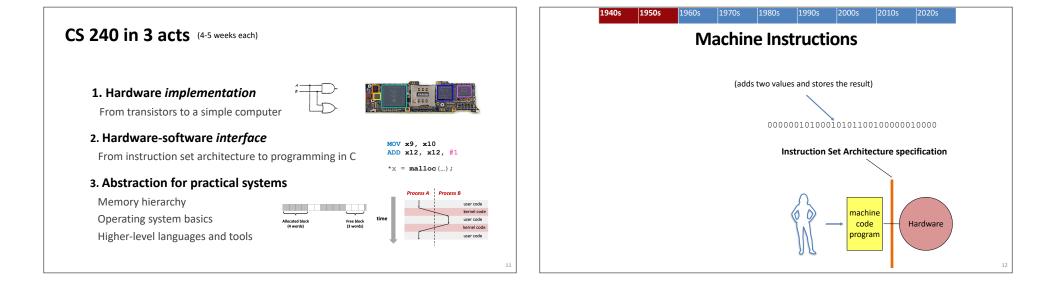
A BIG question is missing...

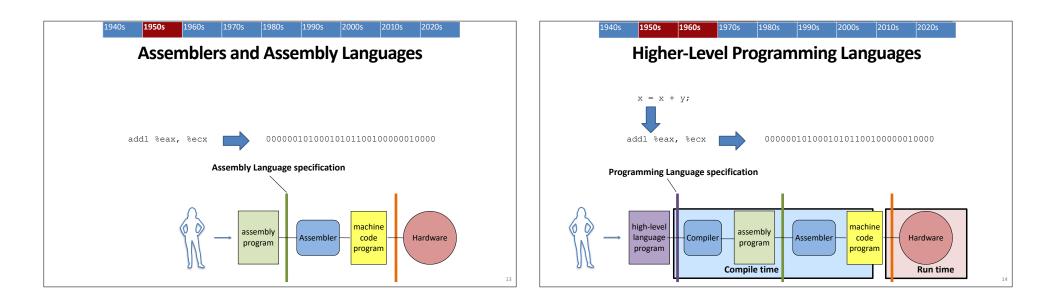


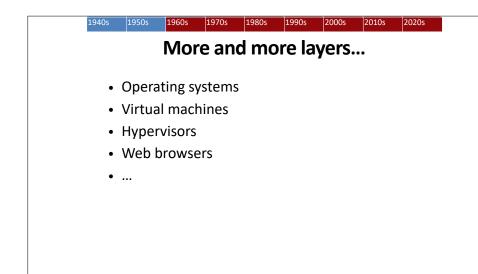


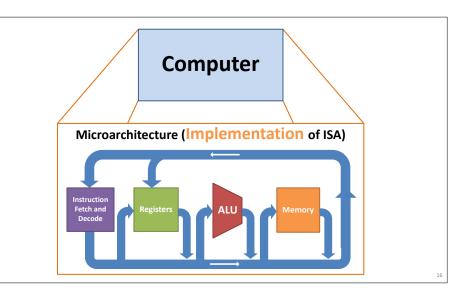


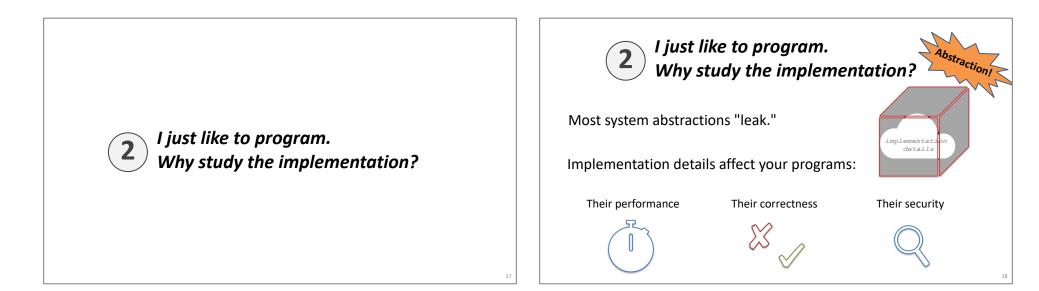




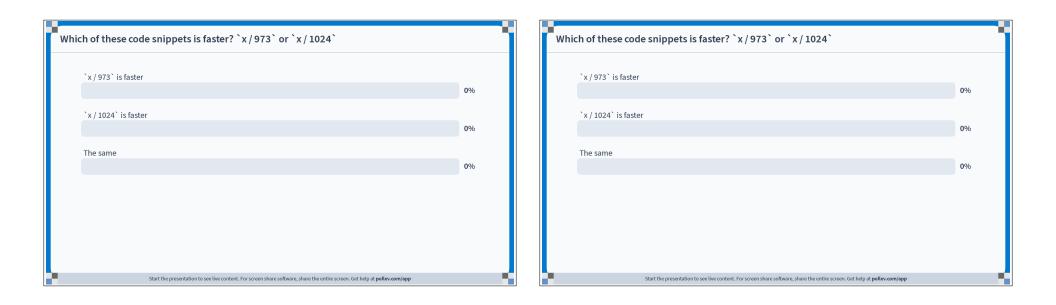


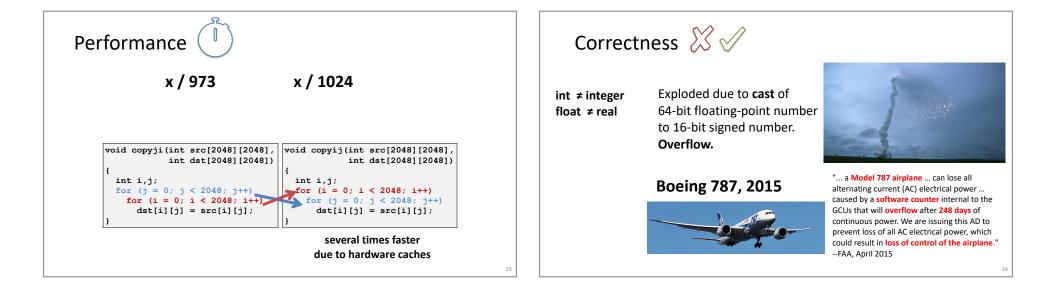


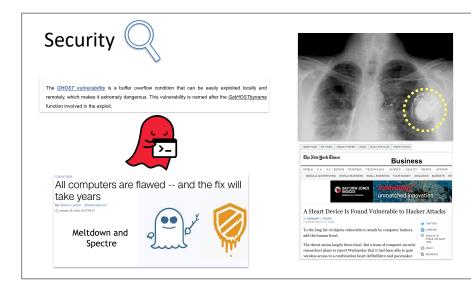




x / 973 x / 1024	Performance	Which of these code snippets is faster? `x/973` or `x/1024`
	x / 973 x / 1024	`x / 973` is faster
The same		`x / 1024` is faster
		The same







Why take CS 240?

25

Learn *how* computers execute programs. Deepen your appreciation of abstraction. Improve your critical thinking skills.

> Become a **better programmer**: Think rigorously about execution models. Identify limits and impacts of abstractions and representations. Learn to use software development tools.

> > Foundations for: Compilers, security, computer architecture, operating systems, ...

> > > Have fun and feel accomplished!

26

