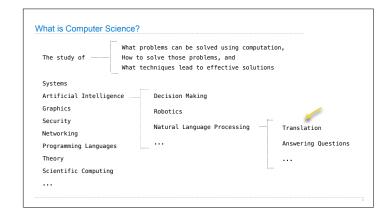
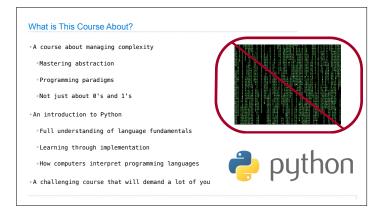


An Introduction to Computer Science





Course Policies

Alternatives to This Course

CS 61AS: Self-Paced CS 61A

CS 10: The Beauty and Joy of Computing

Course Policies Learning Community Course Staff Details... http://cs61a.org/about.html

## Asking questions is highly encouraged

- ·Discuss everything with each other; learn from your fellow students!
- ·Homework can be completed with a partner
- \*Projects should be completed with a partner
- $\hbox{-}{\tt Choose a partner from your discussion section}\\$

### The limits of collaboration

- $\, \cdot \, \text{One simple rule: Don't share your code, except with your partner} \,$
- \*Copying project solutions causes people to fail this course
- ·We really do catch people who violate the rules, because...
- ${}^{\scriptscriptstyle \bullet}\text{We}$  also know how to search the web for solutions
- ·We use computers to check your work

#### Build good habits now

Expressions

# Types of expressions An expression describes a computation and evaluates to a value 18 + 69 $\log_2 1024$ $\sin \pi$ $\overline{23}$ $2^{100}$ $\sqrt{3493161}$ f(x) $\lim_{x \to \infty} \frac{1}{x}$ $7\bmod 2$ (69) (18) |-1869|

Call Expressions in Python All expressions can use function call notation (Demo)

# Anatomy of a Call Expression \_\_\_3 (\_\_\_\_2 add Operand Operators and operands are also expressions So they evaluate to values Evaluation procedure for call expressions: 1. Evaluate the operator and then the operand subexpressions 2. Apply the function that is the value of the operator subexpression to the arguments that are the values of the operand subexpression

