Quiz 1 Topics Covered in 6.00SC

This quiz will cover material from lectures 1-8, recitations 1-4, and problem sets 0-3:

Imperative and definitional knowledge
Stored program computers
Syntax, static semantics, semantics
Straight line, branching, and looping programs

Python-related
  Values
  Types
  Int, float, Boolean, str, tuple, dict, list
Expressions
Statements
  Print, assignment, conditionals, loops, assert
Functions
  Object model and mutation
Scope

Recursive definitions, problem solving, and functions

Structuring programs using decomposition and abstraction
  Specifications
  Parameters

Algorithmic techniques
  Guess and check
  Linear search
  Bisection search
  Successive approximation
  Newton-Raphson (Newton’s method)

Binary representation of numbers
Debugging
Orders of growth