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

MIT OpenCourseWare
http://ocw.mit.edu

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