

**Review for CSC 115 Final Examination, which will be held on Monday, December 16, 2019 from 4:00 PM - 6:00 PM, PST**

- The test is comprehensive, i.e. covers all material from the beginning of the semester through Monday, Dec. 9.
- For this test it is important that you understand computer science concepts, general logic, and the ability to apply such logic to solve problems; test material may include:
  - General Problem Solving
  - Variables
    - Including typing, use of mnemonic names and why it is important
  - Assignment statements
    - set, =
  - Input/output
  - Constructs:
    - Conditionals (if-statements)
    - Looping (for, while, repeat)
  - Knowledge of counters and how to apply them
  - An understanding of Random Number generation
  - Scoping
  - Knowledge of how to use Scratch, minimal Java, and some Python
    - Students may be asked to create a program fragment
  - Students may be asked to describe what a program does and the corresponding output it may produce for a given input
  - Graphics in Scratch
  - Problem solving for word problems
  - Basic animation
  - Basic sound generation
  - Use of pseudo-code
  - Given the following components, write/draw a program that...



***The test will last two hours***