CompSci 94
Scope and Debugging
November 3, 2020

Prof. Susan Rodger

Announcements

- All classwork needs to be checked off by 11/16.

- Classwork from Thursday Oct 29 can be checked off on Nov. 12.

- Assignment 6
  – Due 11/12

- Exam 2 in one week

Exam 2

- Covers topics through last week.
- How to study:
  - Look at old Exam 2's (on resource tab)
  - Look at classworks, lecture notes, videos
  - Try to rewrite code by typing it into a plain text file
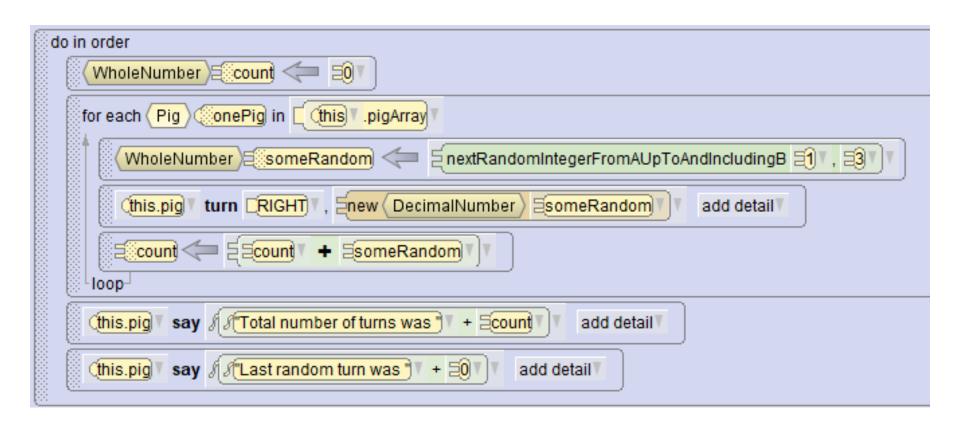- We will review next class

Class Today

- Scope for variables
- Debugging

Scope for variables

- Variables are only known within the block they are defined in.

- A block could be, for example,
  - A do in order
  - The body of an if or else
  - The body of a loop

What is the scope of count? someRandom?

Debugging

- What do you do when your program doesn't work?
  - Add **say** statements until you can determine where the code does not work
    - Say "here" to see if code up to this point is executed
    - Then move it to another place
    - Say the value of a variable or property to see if it is what you think it is.

Classwork today

• Debugging