Class Today

• Scope for variables
• Debugging

• All classwork needs to be checked off this week by 11/29.

• Assignment 7
  – Fill out partner form by Nov. 27
    • Must fill out if working alone
    • Both partners must fill out, can only have one partner

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?
What is the scope of `count`?

What is the scope of `someRandom`?

Can’t put `someRandom` here

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.

Debug with extra Says
How to say last random

Must declare someRandom BEFORE for loop so it is known after for loop.