Prof. Susan Rodger
Announcements

• Read Chapter 10 for next time
  – Section 1 – variables (should be review)
  – Section 2 – Arrays (new)
  – Reading Quiz
• Assignment 6 due Thursday

• Today
• Chapter 9, Sec 2 – Searching Lists
Questions on Assignment 6?

You won! count 1.0

Way to go!
List Search Example

- WacAMole game
- Moles pop up from holes, user tries to whack (click) them
- Game over when 10 moles whacked.
Score – uses “For all in order”
Other Methods

World.my first method
No parameters
No variables

While not playerScore is above ground more...
World.popMole whichMole = random item from World.moles

World.popMole
Obj whichMole
No variables

Do in order
whichMole move up 0.8 meters duration = 0.25 seconds more...
Wait 0.5 seconds
whichMole move down 0.8 meters duration = 0.25 seconds more...
Classwork today – sort animals

Start

Put Tallest two in place …  
(move to rightmost tennis balls)

All in place!
More Details

• *Given* a list of animals, list of tennis balls
  – Each player has “isTaken” variable set to false
  – Each ball has color yellow
• *Write* methods to find the rightmost yellow tennis ball – test these
• *Write* methods to find the tallest player not yet taken
• *Sort* the players by height - Repeatedly find the tallest player and move it to the rightmost yellow ball