Announcements

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

• Assignment 6 due tonight

• Assignment 7 out!

• Today
  – Chapter 9, Sec 2 – Searching Lists
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

World.popMole  whichMole = random item from World.moles

World.popMole  Obj whichMole

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

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