CompSci 94
Array Practice
Nov 7, 2013

Announcements

• Next time Review for Test
  – Work old test problems on paper
• Test 2 is Thursday, November 14
• After Test – more Alice 2/Alice 3
• Today – more practice with arrays, visual and nonvisual

NonVisual Array

• Problem: Create an array of animals and then generate an array of the heights of the animals.

Create an array of Animals

• Under world properties, create new Variable, check the “make a array”
Create an empty array of heights

Calculate the heights of the animals and store in the heights array

• Must drop the name of the array over items to use the array!

Result:

\[ \text{heights} = [1.06, 1.57, 7, 0.4, 1, 1.04] \]

Exercise: Using the height array, how do we compute and print out the maximum height?

The maximum height is 7.0

Classwork

Part 1 – Nonvisual array

• Create a nonempty array of integers
• Fill it with random integers
• Compute which number appears the most often

Classwork

Part 2: Visual Arrays – Array of frogs

• Double size of all frogs

• Randomly color some frogs

• Move frogs of new color all to left in array by swapping