CompSci 94 Variables and Array Indexing October 13, 2020



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CompSci 94 Fall 2020

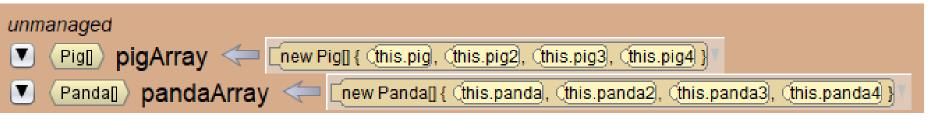
Announcements

- Assignment 4 due Oct 20
- Videos and online quiz for next class
- Exam 2 is Nov 10
- Last day of class is Nov. 12

WOTO-1 Array Indexing http://bit.ly/94f20-1013-1

• Two arrays, animals are in the arrays from left to right as seen





Q1 – What is the code for?

• Code for Pigs to turn right one pig at a time?

Q2 – What is the code for?

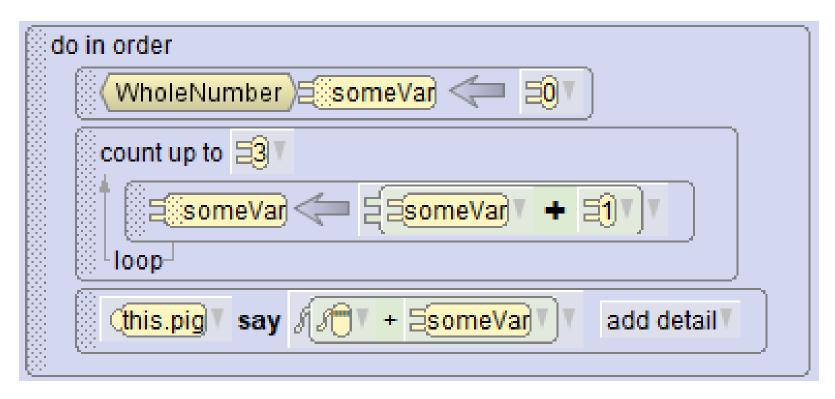
• Code for Pandas to bow **at the same time** (turn forward a little, then turn backward)?

Q3 – Questions about variables

• What is the difference between a const variable and a variable?

• Which Alice construct do you use to change a variable?

Q4 - What is the output of this code?



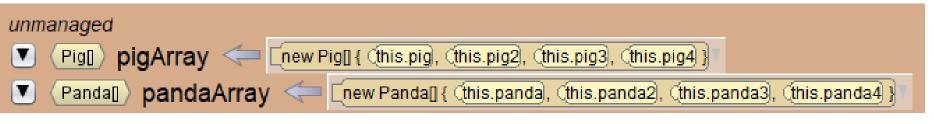
🖗 do in order		
WholeNumber EsomeNum = 201	I ▼ add detail ▼	
	∃ (current value)	
count up to 3	= =	
loop-		
	=2	
this.pig4 say (17 + 21 add detail)	=3	
	Random	►
Q5 Consider this code. Why isn't somenum a	Decimal to Whole Number	
	Math	►
	Custom WholeNumber	
choice?	array length:	
	<mark>⊟_this) pigArray length</mark>	
	E <mark>Ethis].pandaArray.length</mark>	
	TextString	►
	(DecimalNumber)	
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Q6 – How do I write an **array index loop** to have each pig turn right once? Q7 – How do I write code to have each pig turn right once one at a time, with one of the pandas turning with each pig?

WOTO-2 More Array Indexing http://bit.ly/94f20-1013-2

• Two arrays, animals are in the arrays from left to right as seen





Class Today

• Array of penguins

That is every other penguin in the array

