CompSci 94 Variables and Array Indexing November 3, 2022	Announcements Assignment 4 due Tueday Nov 8 Videos and online quiz for next class
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Pig and Panda arrays	Review1 - What is the code for?Code for Pigs to turn right one pig at a time?
• Two arrays, animals are in the arrays from left to right as seen	
unmanaged Pig[] pigArray new Pig[] { (this.pig), (this.pig2), (this.pig3), (this.pig4) } Panda[] pandaArray new Panda[] { (this.panda), (this.panda2), (this.panda3), (this.panda4) } CompSci 94 Fall 2022 3	CompSci 94 Fall 2022 4

 Review2 – What is the code for? Code for Pandas to bow at the same time (turn forward a little, then turn backward)? 	 Q1 – Questions about variables What is the difference between a const variable and a variable?
	• Which Alice construct do you use to change a variable?
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Q2 - What is the output of this code?	do in order WholeNumber: someNum count up to 3 count up to 4 count up to 4
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Pig and Panda arrays again

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



Q5 – 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?

• Fill in missing code:

do in order	
count up to E this .pigArray .length	
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Q4 – How do I write an **array index loop** to have each pig turn right once?

• Fill in the missing code:

WholeNumber)E inde		
count up to	gArray ▼ .length ▼	
loop		

Q6 - What does this code do?

order
while Taindex T < (this T.pigArray T.length) T is true
(his * .pigArray * [index *] * say //move up * * index *] * add detail (his * .pigArray * [index *] * move CUP * , inew (DecimalNumber) index * * , duration index * * * , duration index * * * * * * * * * * * * * * * * * * *
((this T.pigArray T [index T] move LUP T, Enew (DecimalNumber) Endex T, duration E0.25 T a
(this .pigArray [index] move DOWN , Enew DecimalNumber Ender , duration E0.25
loop-

Q7 – How do you write code to color every other panda green in array?

• Start with no color



• Color every other green (1st one, 3rd one, etc.)



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Q7 – How do you write code to color every other panda green in array?

• What is the missing line of code?

lo in order	
while EsomeIndex < (this .pandaArray .length) is true	
	add detail
loop	
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Class Today

• Array of penguins

