CompSci 94
Variables and Array Indexing
October 26, 2021

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Announcements

• Assignment 4 due Thursday Oct 28
• Videos and online quiz for next class
Pig and Panda arrays

- Two arrays, animals are in the arrays from left to right as seen.
Review 1 - What is the code for?

- Code for Pigs to turn right one pig at a time?
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?
Q2 - What is the output of this code?
Q3 -- Consider this code. Why isn’t somenum a choice?
Pig and Panda arrays again

• Two arrays, animals are in the arrays from left to right as seen
Q4 – How do I write an array index loop to have each pig turn right once?

• Fill in the missing code:
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:
Q6 – What does this code do?
Q7 – How do you write code to color every other panda green in array?

- Start with no color
- Color every other green (1\textsuperscript{st} one, 3\textsuperscript{rd} one, etc.)
Q7 – How do you write code to color every other panda green in array?

• What is the missing line of code?
Class Today

- Array of penguins

That is every other penguin in the array