Class Today

- Indexing in arrays
  - Useful if you need particular elements repeatedly
  - Useful if you have two arrays that work in sync

- Classwork today is getting started with Assignment 6. You must setup and write some code using arrays to get checked off.

- Turn in Completed Assignment 6 by Nov 13.

Array Loops in Alice

- Arrays

- For Each in

- For each together

Indexing in an array

- Need a whole number variable
  - Initialize before the loop
  - Update it in the loop

- Use it to refer to positions in the array
What is the code for?

• You use a loop and have the first pig and the first panda turn around once together, then the second pig and the second panda turn around together, then the third of each and then the fourth of each?
• What if there were 200 of each?
• Use the Whole number variable index, and a count loop

Answer

What is the code for?

• Have each pig in the pig array say their position number and move up and down its position number. That is the pig in position 0 says 0 and doesn’t move, the pig in position 1 says 1 and moves up and down 1, the pig in position 2 says 2 and moves up and down 2, etc
Answer?