AP Computer Science A
Ticket Out the Door
Set 14: Arrays Part 1

Name _____ Period _____

Skill 14.1 Exercise 1
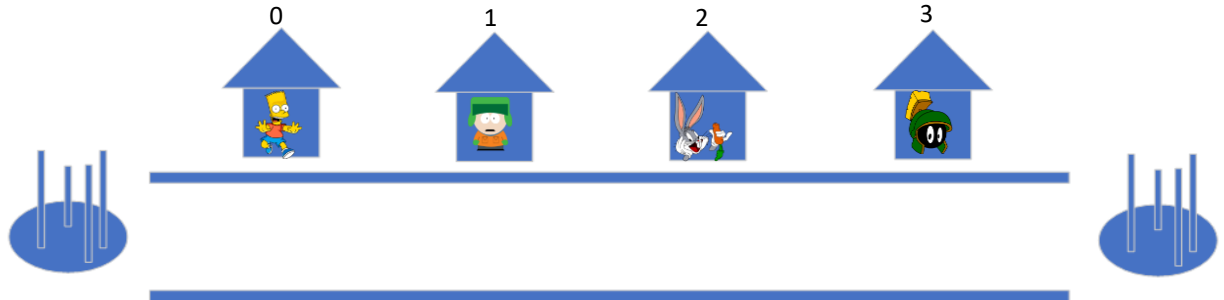
`Refer to the image below to answer the following,

Who lives at index = 0?	
Who lives at index = 2?	
If the houses on the street represent an array, how long is the array?	
Who lives at index = 4?	
What is Marvin's address?	
What is Kyle's address?	

Skill 14.2 Exercise 1

The image below represents an array of String type variables called houses. The value associated with each house corresponds to the name of the person who lives there.

(a) Write code that could be used to declare and initialize the array, but does not populate it.
(b) Write the address of each house on the roof.
(c) Write code that could be used to assign the value of house 3 to "Wilma", and the value of house 6 to "Barney", and the value of house 2 to "Homer"
(d) What is the value of the house with address 4?

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(e) Homer and Barney have decided to trade houses. Write code to assign Homer and Barney to their new homes.

Skill 14.3 Exercise 1

A new neighbor named "Wirt" has moved into the neighborhood from the previous exercise. You have no idea which house he lives in. Write a for-each loop to iterate over all the houses in the neighborhood and locate "Wirt".

Skill 14.3 Exercise 2

Two new houses are being built in the neighborhood so you will need a new array to store all the people. Create a new array that is two houses larger than the neighborhood in the previous exercise. Copy all the values from the previous array into the new array.