|  |  |
| --- | --- |
| **Skill 15.1 Exercise 1** | |
| Refer to the image below to answer the following,  0  1  2  3 | |
| 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 15.2 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? |
| (e) Homer and Barney have decided to trade houses. Write code to assign Homer and Barney to their new homes. |

|  |
| --- |
| **Skill 15.3 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 15.3 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. |
|  |