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| **Skill 16.1 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 the address of each house on the roof. |
| (b) Write a main method that when run, could be used to populate the houses array. |
| (c) Assume the main method you wrote above belongs to a class called “Neighborhood”. Indicate the terminal command that could be used to populate the houses array as follows,  house 2 = Homer  house 3 = Wilma  house 6 = Barney |

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| **Skill 16.2 Exercise 1** | |
| Refer to the following code to indicate the output for each of the following  int num = 4;  String houses[] = new String[num];  int address = new int[num];  int value = {450000, 500000, 489000, 525000};  int age; | |
| (a) System.out.println(houses[2]); |  |
| (b) System.out.println(address[0]); |  |
| (c) System.out.println(value[4]); |  |
| (d) System.out.println(age[0]); |  |

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| **Skill 16.3 Exercise 1** | |
| Refer to the following code to indicate the output for each of the following  String s = “Hello again”, sp[]; | |
| sp = s.split(“a”);  System.out.println(sp[0]);  System.out.println(sp[1]);  System.out.println(sp[2]); |  |
| sp = s.split(“\\s”);  System.out.println(sp[0]);  System.out.println(sp[1]); |  |
| sp = s.split(“e|g”);  System.out.println(sp[0]);  System.out.println(sp[1]);  System.out.println(sp[2]); |  |

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| **Skill 16.4 Exercise 1** | |
| Refer to the following code to indicate the output for each of the following  String s = “Hello again”, sp[]; | |
| sp = s.split(“\\s”);  System.out.println(sp.length); |  |
| sp = s.split(“H”);  System.out.println(sp.length – 1); |  |
| sp = s.split(“n”);  System.out.println(sp.length – 1); |  |

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| **Skill 16.5 Exercise 1** |
| Refer to the table of assignments under Skill 16.5. Write code to print the class average for assignment 3 – assume you do not know the index of assignment 3 in the assignments array. |
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