

Name \_\_\_\_\_ Period \_\_\_\_\_

**Skill 15.1 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 “Street”. Indicate the terminal command that could be used to populate the houses array as follows,

```
house 0 = Bart  
house 1 = Kyle  
house 2 = Homer  
house 3 = Wilma  
house 6 = Barney
```

**Skill 15.2 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 15.3 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]);
```

**Skill 15.4 Exercise 1**

Refer to the following code to indicate the output for each of the following

String s = "Hello againn", 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);
```

**Skill 15.5 Exercise 1**

Refer to the table of assignments under Skill 15.5. Write code to print the class average for assignment 3 – assume you do not know the index of assignment 3 in the assignments array.

AP Computer Science A  
Ticket Out the Door  
Set 15: Arrays Part 2

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