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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

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]);
```

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);
```

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.

AP Computer Science A
Ticket Out the Door
Set 16: Arrays Part 2

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