

1) Write a method that accepts an array of ints as a **parameter**. The method should swap the first and last elements. It should NOT **return** anything.

```
public void swap(int[] array)
{
    int temp = array[0];
    array[0] = array[array.length-1];
    array[array.length-1] = temp;
}
```

2) What does the mysteryCount method count? (Hint: make a example array and see what the method does!)

```
private int mysteryCount(int[] v) {
    int count = 0;
    for(int i=0; i<v.length; i++) {
        if(v[i] != 0)
            break;
        count++;
    }
    return count;
}
```

**The number of 0's at
the beginning of the
array.**

3) An array of integers **scores** has at least two elements, and it's elements are arranged in **ascending** order (scores[i] <= scores[i+1]). How could you write a simple expression that would determine if all the values in the array are the same? (Hint: do NOT use a loop or recursion). [The ascending order part is important!]

scores[0] == scores[scores.length-1]

4) Finish this method that **returns** a **random** letter from the array - the odds of picking each letter is 3:5:6.

```
public char randomResult() {
    char[] letters = {'r', 'r', 'r', 'p', 'p', 'p', 'p', 'p', 's', 's', 's', 's', 's', 's'};
    return letters[(int)(Math.random()*letters.length)];
}
```