

Arrays Part II

1. Describe what problem occurs in the following code.

```
int[] numbers = {3, 2, 3, 6, 9, 10, 12, 32, 3, 12, 6};  
  
for (int count = 1; count <= numbers.length; count++)  
    System.out.println (numbers[count]);
```

What modifications should be made to it to eliminate the problem?

2. Write a Java array declaration to represent each of the following:

a. The names of students for a class of **25** students

b. the test grade for each student in a class of **40** students

3. Write Java code that sets each element of an array called **nums** to the value of a constant named **INITIAL**.

4. Write Java code that prints the values stored in an array called **names** from the beginning of the array to the end of the array.

5. Write Java code that prints the values stored in an array called **names** from the end of the array to the beginning of the array.

6. Write Java code that sets each element of a **boolean** array called **flags** to alternating values (**true** at index 0, **false** at index 1, etc.).

7. Write a Java method called **sumArray** that accepts an array of **double** floating point values and returns the sum of the values stored in the array.
