

Name(s) \_\_\_\_\_ Period \_\_\_\_\_ Date \_\_\_\_\_

**Extra Practice - Finding Duplicates****Check for Understanding**

How many times is "Like my status!" printed as a result of executing this code segment?

```
for (int outer = 0; outer <= 4; outer++) {  
    for (int inner = 3; inner > 0; inner--) {  
        System.out.println("Like my status!");  
    }  
}
```

- A. 0
- B. 7
- C. 8
- D. 12
- E. 15

## AP Exam Prep

Consider the following code segment.

```
for (int outer = 3; outer > 0; outer--) {  
    for ( /* missing loop header */ ) {  
        System.out.println(outer + " " + inner + "_");  
    }  
}
```

Which of the following can be used as a replacement for `/* missing loop header */` so that the code segment produces the output `33_34_22_23_24_11_12_13_14_?`

- A. `int inner = 0; inner < 5; inner++`
- B. `int inner = 1; inner < 5; inner++`
- C. `int inner = outer - 1; inner < 3; inner++`
- D. `int inner = outer; inner < 5; inner++`
- E. `int inner = outer + 1; inner < 5; inner++`

## Extra Practice

**Do This:** Consider the following two arrays.

```
String[] tops = {"Tank", "T-Shirt", "Sweater"};  
String[] bottoms = {"Jeans", "Shorts", "Khakis", "Pajamas"};
```

Implement an algorithm that will print all of the different possible pairings of a top with a bottom. Your code should produce the following output:

```
Tank & Jeans  
Tank & Shorts  
Tank & Khakis  
Tank & Pajamas  
T-Shirt & Jeans  
T-Shirt & Shorts  
T-Shirt & Khakis  
T-Shirt & Pajamas  
Sweater & Jeans  
Sweater & Shorts  
Sweater & Khakis  
Sweater & Pajamas
```