

Day 12: What's Wrong With This Code #3

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Consider the following code (which is free from intentional syntax errors):

```
1 public class Student {
2
3     // code...
4
5     public Student( String studentId,
6                     String fName,
7                     String lName,
8                     double scores[ ] ) {
9         id = studentId;
10        firstName = fName;
11        lastName = lName;
12        exams = scores;
13    }
14
15    // more code here...
16
17 }
18
19 public class StudentApplication {
20     public static void main( String args[ ] ) {
21         double grades[ ] = { 80, 85, 90, 85 };
22         Student s = new Student( "N00002112", "Geddy",
23                                 "Lee", grades );
24         for( int i = 0; i < grades.length; ++i )
25             grades[ i ] = grades[ i ] + 5;
26     }
27 }
```

What exactly happens on line 25? Draw a picture of memory to help you figure it out.