

## Lecture 6 - In Class Exercise

**Goal:** Understand the difference between fault, error, and failure. Practice for the homework.

### 1 An equilateral triangle is never right...

*Instructions:* Work with your neighbors in groups of 2.

Let's consider the venerable Triangle program:

```
/**  
 * @param s1, s2, s3: sides of a putative triangle  
 * decide what type of triangle, if any  
 */
```

Now, let's turn to adding functionality with TDD.

1. Write a test for the triangle method.
2. Implement enough code to make the test pass.
3. Refactor as needed.
4. Lather. Rinse. Repeat.

How many iterations did you do? What was your stopping criteria?