Project 2 CMSC 350

Stephen Ellwood

Test Plan with Stated Goal of success with 359+-23\*/

1. Test simple case

35+

Yields 3+5

2. 359+-

Yields (3 - (5 + 9))

3. 359+-2\*

Yields

((3 - (5 + 9)) \* 2)

4. 359+-23\*/

Yields: ((3 - (5 + 9)) / (2 \* 3))

5. Divide By Zero error is handled

359+-20\*/

Yields ((3 - (5 + 9)) / (2 \* 0))

Learning Points:

It was very difficult to get a few items to function. Filewriter would not write my string despite numerous variotions with buffered writer. There is something here that I need to go back and understand. Notice that it does print out properly in system.out.

Abstract Classes and Inheritance is a wonderful OO tool. I read that Interfaces are replacing abstract classes so I converted my code to use an interface to handle downstream classes.

Tree Nodes with Stacks was a complex and interesting challenge. I see its power and want to learn much more about trees.