

Program Log

Day 1

Objective

1. Work through the given algorithm by hand to fully understand how it works.
2. add `char peak()` function to stack class for step 15
3. implement the algorithm in c++
 - using a stack to store elements of infix expression, as per instruction

Recap

- 80% of algorithm implemented successfully
- Program currently compiles but when running, results in an infinite loop
- bug tested and narrowed the problem down to the while loop when the token is an operator
- solution is most likely to implement operator precedence correctly, I will write a function for that tomorrow.

Total Time: 180 mins

Day 2

Objective

1. Fix infinite loop

Recap

- Successfully fixed the infinite loop issue, added a condition to check if the stack was empty
- Wrote a separate function `int getPrecedence(char)` to determine operator precedence
- checked if the top element of the stack had greater precedence before entering the loop

Total Time: 90 mins

Day 3

Objective

1. Add comments to code, and write the program overview

Total Time: 30 mins