Let's begin at 9:02 PM.

L42 Stack : Classical Problems

RECAP

How do we evaluate a given expression?

$$(6+21)/3 - 5*2$$

$$\Rightarrow 27/3 - 5 \times 2$$

$$= 9 - 10 = -1$$



Can those expressions written in a different way also?

1) Pre-Fix [Polish Notation] 2) Post-Gix [Reverse Polish Notation]

In-fix to Post-fix Notation.

Infir =
$$(6+21)/3 - 5*2$$

6 21 + 3/5 2 * -

a b +



$$(6+21)/3*4 - 5*2$$

1. Evaluating a given post-fix expression

2. Next Greater Element



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3. Stock Span Problem

$$\frac{5g.1.}{100, 80, 60, 70, 60, 75, 85}$$

$$\frac{5g.1.}{100, 80, 60, 70, 60, 75, 85}$$

$$\frac{6(25)}{0(100)}$$



Eg 2 N26

[10,4, 5,30, 120,80]

ans = [1, 1, 2, 4, 5, 1]

Thank You!

Reminder: Going to the gym & observing the trainer work out can help you know the right technique, but you'll muscle up only if you lift some weights yourself.

So, PRACTICE, PRACTICE!

