



Big O Notation - What is Good Code?

Keywords/Questions:

Notes:

1) Readable - Can be easily read.

2) Scalable - Can be easily manipulated for more data.

Runtime - How long it takes to run code.

Runtime affects the efficiency of how the code runs.

How much does our algorithm slow down with scalability?

$O(n)$ - Linear Scaling

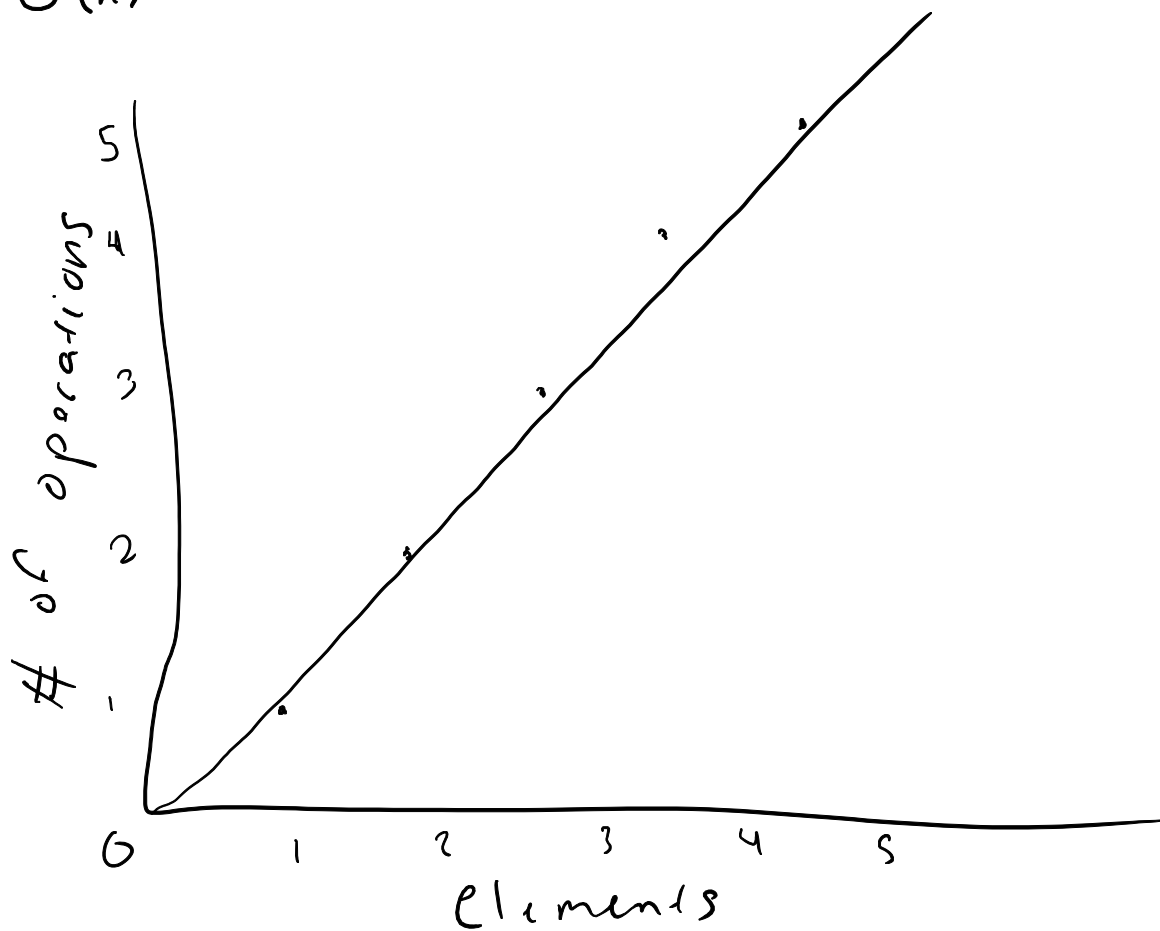
$O(1)$ - Constant, no loops

Scalability - ^{Speed} Memory

3 pillars of code - Readable, Memory, Speed

Summary:

$O(n)$



$O(1)$

