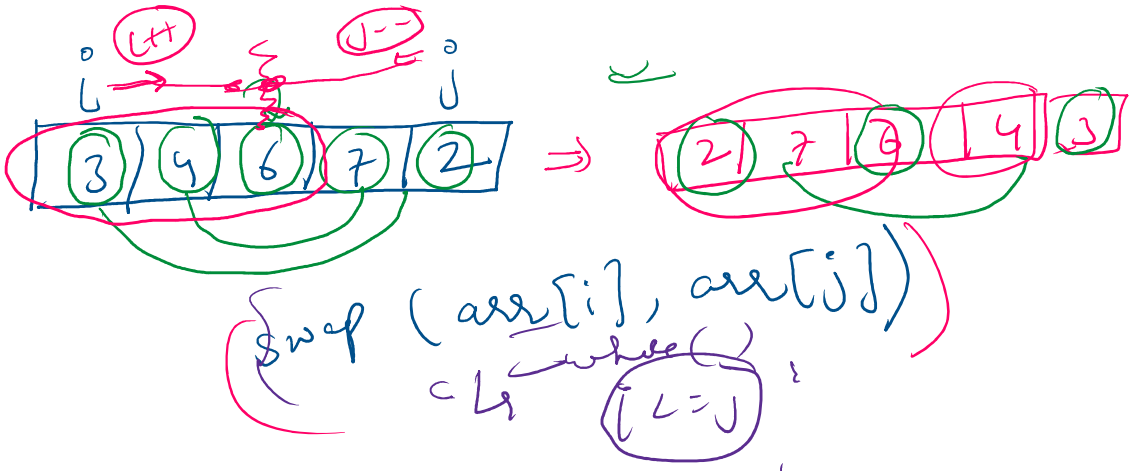
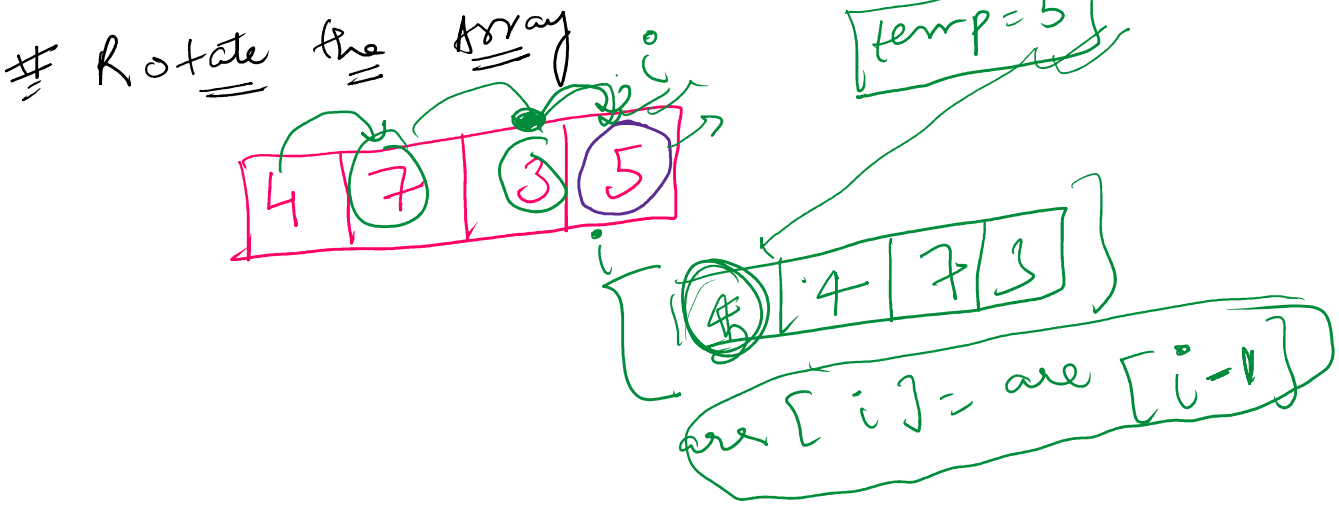
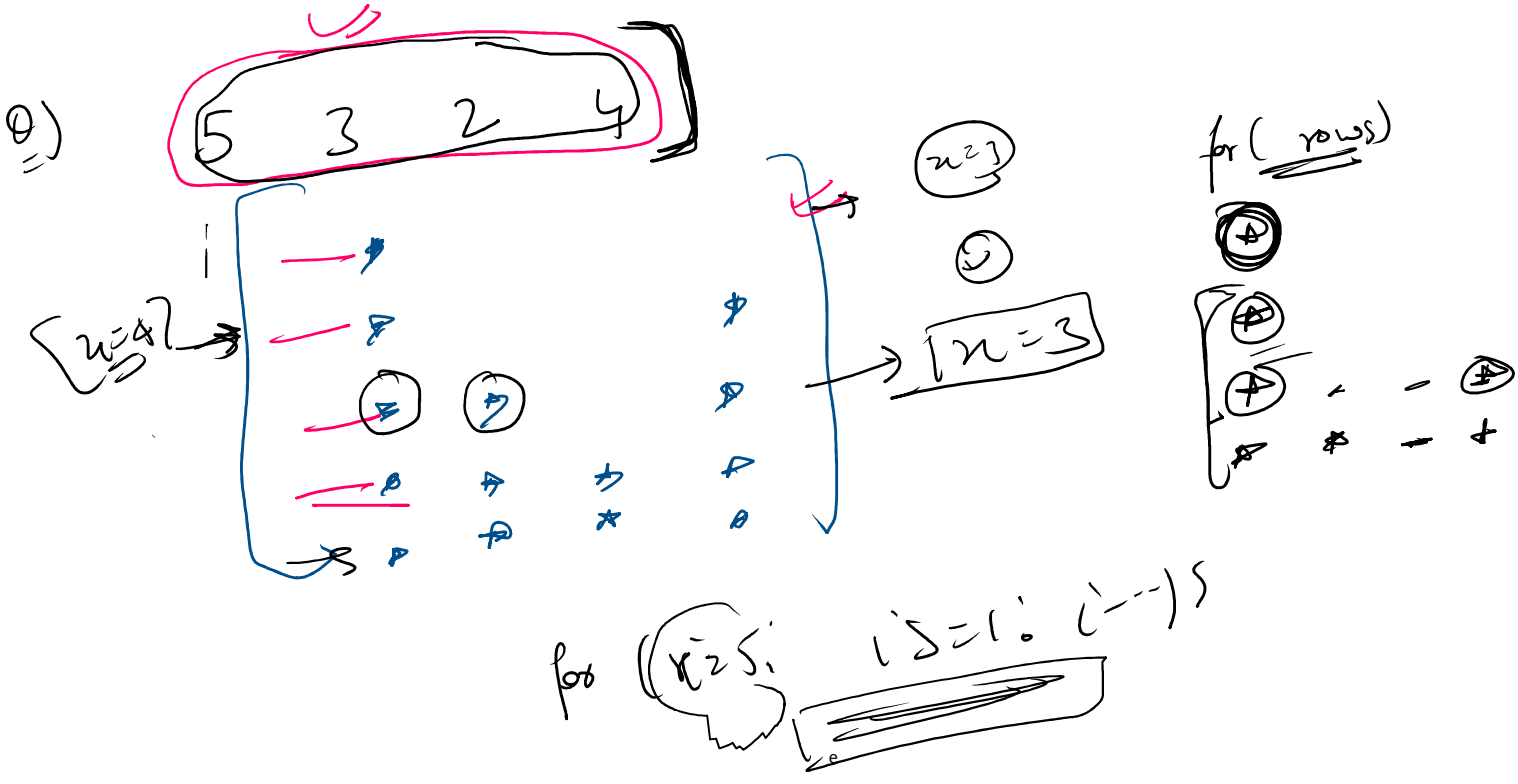
Class 6 - Arrays

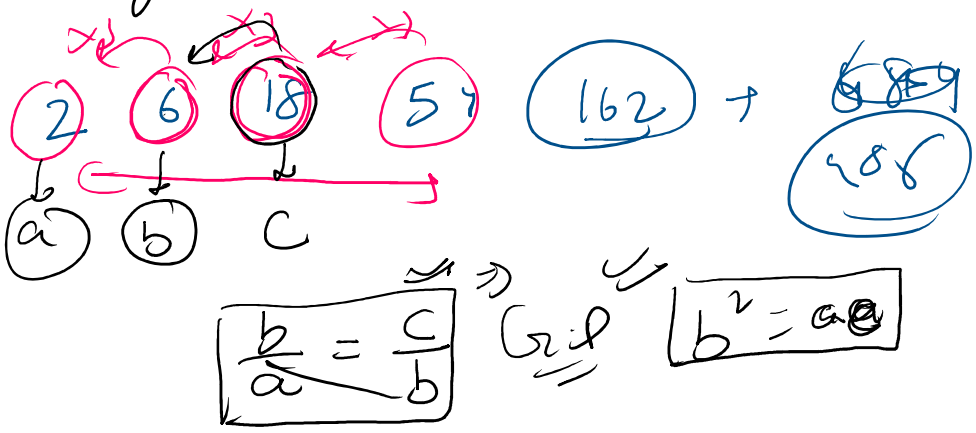
Sunday, April 20, 2025 10:01 AM



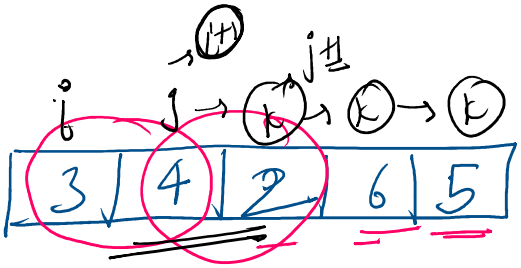


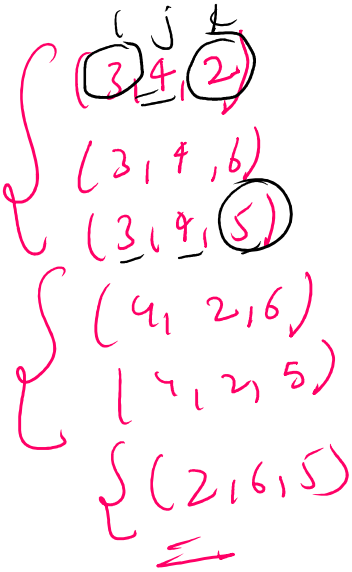


Geometric Progression



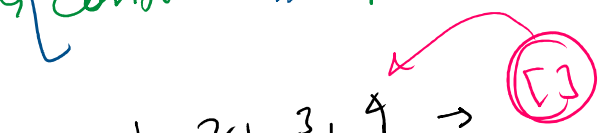
Triplets





Subarray

↳ [continuous portion of an array]

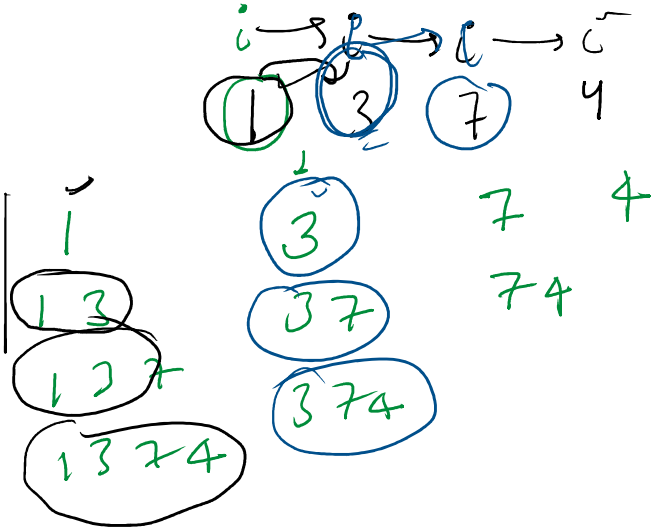


1 | 1 2 | 1 2 3
2 | 2 3 | 2 3 4
3 | 3 4 |
4 | [ ] | 1 2 3 4

(B) Empty is also a subarray

(2) Number of non empty subarrays of an array of length $n = \left[\frac{n \times (n+1)}{2}\right]$

$n = 4$ $\quad \frac{4 \times 5}{2} = 10$



sum = 0 1 +3 +7 +4

Sum = 0 3 +7 +4