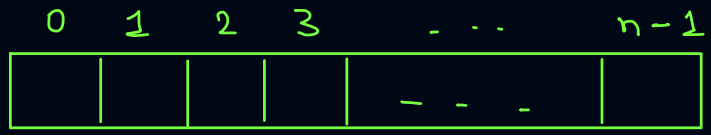
Finding the maximum value in an array of size n.



Order of complexities

→ big O : $f(n) = O(n)$

→ big Ω : $f(n) = \Omega(1)$

→ big Θ : $f(n) = \Theta(n)$

Finding sum of all elements in an array

Order of complexity

→ big O . $f(n) = O(n)$

→ big Ω . $f(n) = O(n)$

→ big Θ . $f(n) = O(n)$

Printing a string of length n

1 2 3 4 5 6 ... n

_ _ _ _ _ _ ... _

Order of complexity

→ big O : $f(n) = O(n)$

→ big Ω : $f(n) = \Omega(n)$

→ big θ : $f(n) = \theta(n)$