





(2 Kth largest element in an array
	[3, 2,1, 5,6,4]
	Brute foore: Soft the array Return n-K-1th eliment from the end
	Return n-K-15th eliment from the end
	0 (n logn) and largest
	12345)6
	Hunt Provinty Queue Heap
	complete binary tree
	Max heap min heap
	(parent node value >
	its children value)
	201566
	3, 2, 1, 5, 6, 4 $(K = 2)$ $3, 2, 1$
Heap	$\left(\frac{3}{2}\right)\left(\frac{2}{2}\right) = \left(\frac{1}{2}\right)$
	3 1 3 2
	$5 \rightarrow 2 = 3$
	3 5 5
	3.2.1.5
	6 + 3 = 5
	5 6 6 3, 2, 1, 5, 6
	1 5 - 5
	$4 + \frac{1}{5} = \frac{1}{5} = \frac{1}{5}$
	Algo D create a min heap & add all elements
	· · · · · · · · · · · · · · · · · · ·

from the array into the seep 1 by 1

2) Heap will store k largest element at any point tread of this heap will be the answer

K size heap height = 0 (log K)

mx O(bgk) (- TC

* size heap = O(K) = SC