13/8/21 Linear Search in Java
Searching: 9t is a process of finding a given value position in a list of values.
Linear / Connectical Record.
It is basic of simple search algorithm.  In sequential search, we compare the target value with
eg:- arr = [18, 12, 19, 5] avriay)
In above example, the target value is compared with out the elements in array in sequential / linear way.
Time Complexity:
-> Real Case: O(1) -> constant
⇒ How many checks will the loop make in best case i.e., the element will be found at 0th index i.e., only one comparison will be made for best case.
-> Worst Case: O(n)
element and then to a supply the formal time (no)
⇒ sixe of array No. of computations (ms)  100 200 200 200 200 200 200 200 200 20
time 1
(ms) O(1) = LINEAR (ms)
TIME COMPLEXITY COMPLEXITY
100+ 1ms -
100 200 300 400 500 600 100 200 300 400 Dosize
WIDRST CASE BEST CASE