*Linear Search in Java * Page No. Date:
gearching: It is a process of finding a given value position in a list of values.
*Linear / Sequential Search:
. It is a simple search augosithm. In sequential search, we compare the target value with all other elements given in the
e.g. all = [18,12,19,7),29,50] (unsorted) start (18,12,19,7)
is compared with all the elements in array in
sequential linear way.
Time Complexity:
Thest case: O(1) -> constant Thow 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, here it will go through every element and then it says element not found.
size of assay No. of compasisons time (ms) 100 100 200 200 100 200 100 10

