

of bounds checking of arrays in c so programmer has to write down the code itself for the checking of the boundaries in c. programmer must write down a for loop for the swapping of arrays. Programmer writes down code that checks the boundaries of an array in c code. Just write down a for loop in for loop you will start from 0 to the size fine and you simply write printf percentage D and a of l and these all values would be printed this is how we are going to insert the data at specific position fine. After inserting this number array size becomes what 6 so now size becomes size plus plus plus right now finally you will print this area how you can print it. How you will insert simply you just enter the data you want to insert simply. No need to ask the position no need to do this swapping and all fine simply will write a off here here means you can say that size a of size size size is 5 5 so here also you can insert at 6th position that is also fine but after size plus 1 you can not insert.

In best case it is one and in worst cases it is  $\Theta(N)$  and basically time complexity the time taken depends on the position given. In unsorted array you have to take care of the relative ordering of the elements in sorted array in that case you are doing two shift operations so you can apply this shifting operations in this unsorted area.