

Complexity of Array operations

Time and space complexity of various array operations are described in the following table.

Time Complexity

Operation	Average Case	Worst Case
Access	$O(1)$	$O(1)$
Search	$O(n)$	$O(n)$
Insertion	$O(n)$	$O(n)$
Deletion	$O(n)$	$O(n)$

Space Complexity

In array, space complexity for worst case is **$O(n)$** .