Time and Space Complexity Comparison Table :

Sorting Algorithm	Time Complexity			Space Complexity
	Best Case	Average Case	Worst Case	Worst Case
Bubble Sort	Ω(N)	Θ(N²)	O(N ²)	O(1)
Selection Sort	$\Omega(N^2)$	Θ(N ²)	O(N ²)	O(1)
Insertion Sort	Ω(N)	Θ(N²)	O(N ²)	O(1)
Merge Sort	Ω(N log N)	Θ(N log N)	O(N log N)	O(N)
Heap Sort	Ω(N log N)	Θ(N log N)	O(N log N)	O(1)
Quick Sort	Ω(N log N)	Θ(N log N)	O(N ²)	O(log N)
Radix Sort	Ω(N k)	Θ(N k)	O(N k)	O(N + k)
Count Sort	$\Omega(N + k)$	Θ(N + k)	O(N + k)	O(k)
Bucket Sort	$\Omega(N + k)$	Θ(N + k)	O(N ²)	O(N)