

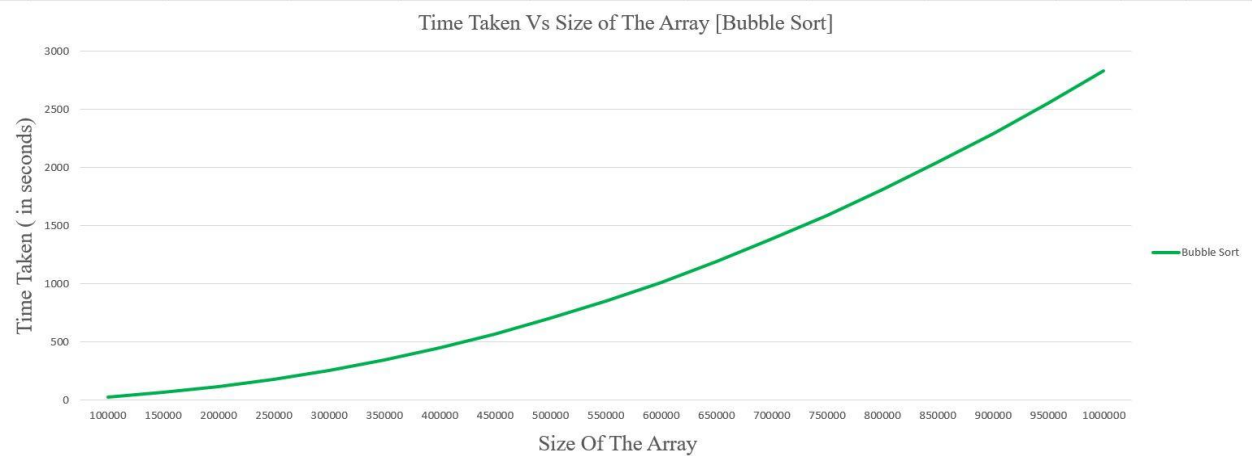
Bubble Sort Algorithm Graphs

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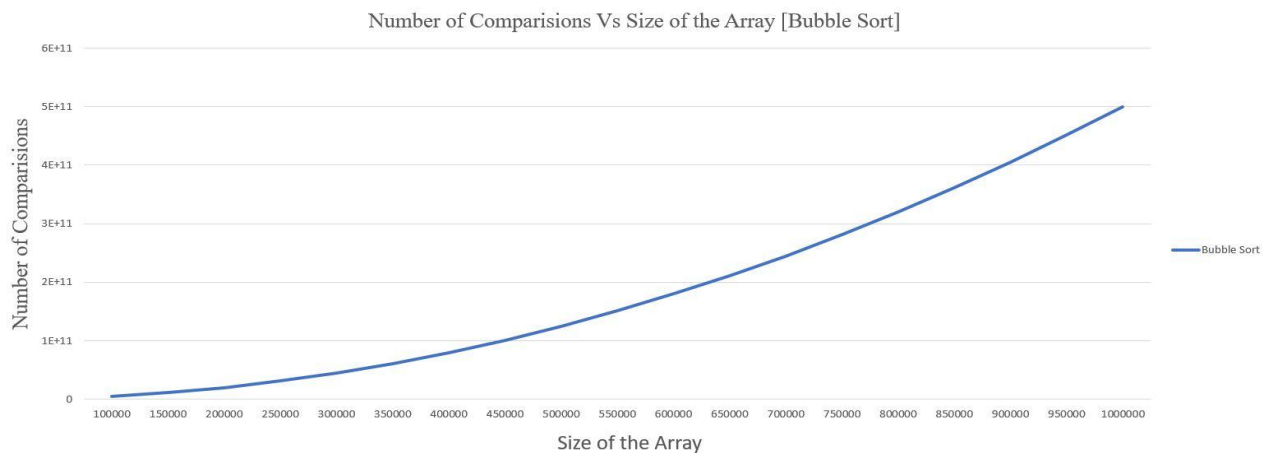
SRN : PES1UG19CS019

Section A

Time Taken Vs Size of The Array



Number of Comparisons Vs Size of the Array



Worst and Average Case Time Complexity: $O(n^2)$. Worst case occurs when the array is reverse sorted.

Best Case Time Complexity: $O(n)$. Best case occurs when the array is already sorted.