

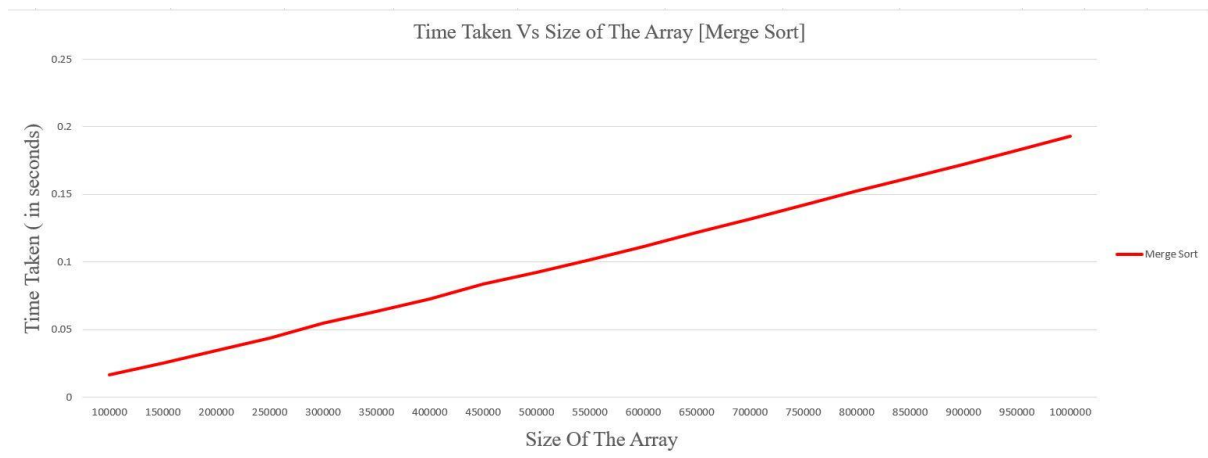
Merge Sort Algorithm Graphs

Name : Abhishek Aditya BS

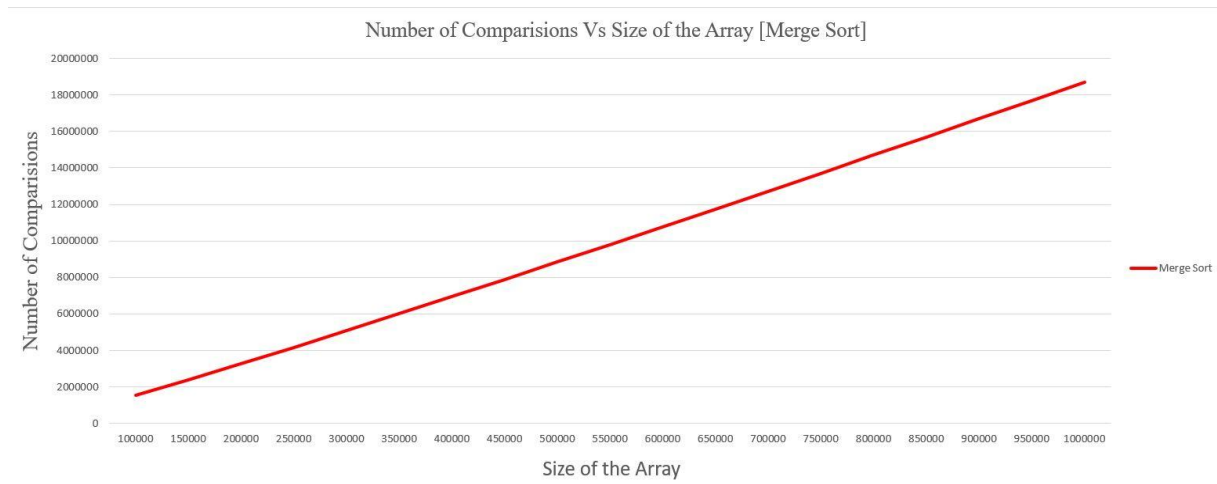
SRN : PES1UG19CS019

Section A

Time Taken Vs Size of The Array



Number of Comparisons Vs Size of the Array



Overall **Time complexity** of **Merge sort** is $O(n\log n)$.