**CS2023 - Data Structures and Algorithms**

**In-class Lab Exercise**

Week 5

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**Question 1**



It can be clearly seen, for larger number of data sets, recursive quicksort algorithm performs well than the non-recursive quicksort algorithm. In this case recursive quicksort algorithm took lesser time to sort arrays with large number of elements.

**Question 2**

Given an array with several elements, the algorithm takes one element at a time and calculates the median of the array made by elements collected from the initial array.

