CS2023 - DATA STRUCTURES AND ALGORITHMS IN-CLASS LAB EXERCISE

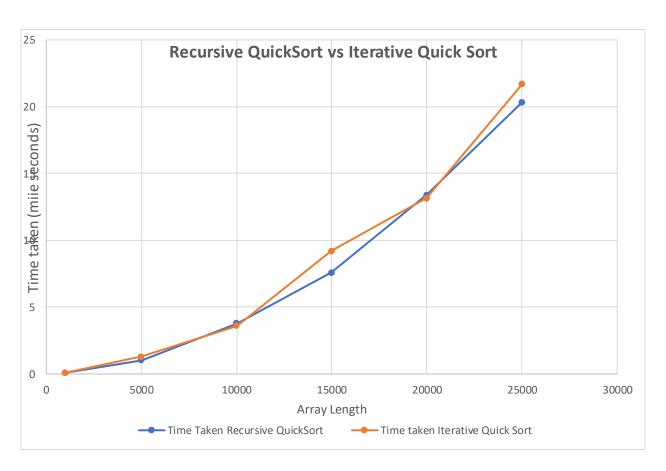
NAME:MUTHUWANA M.A.N.R

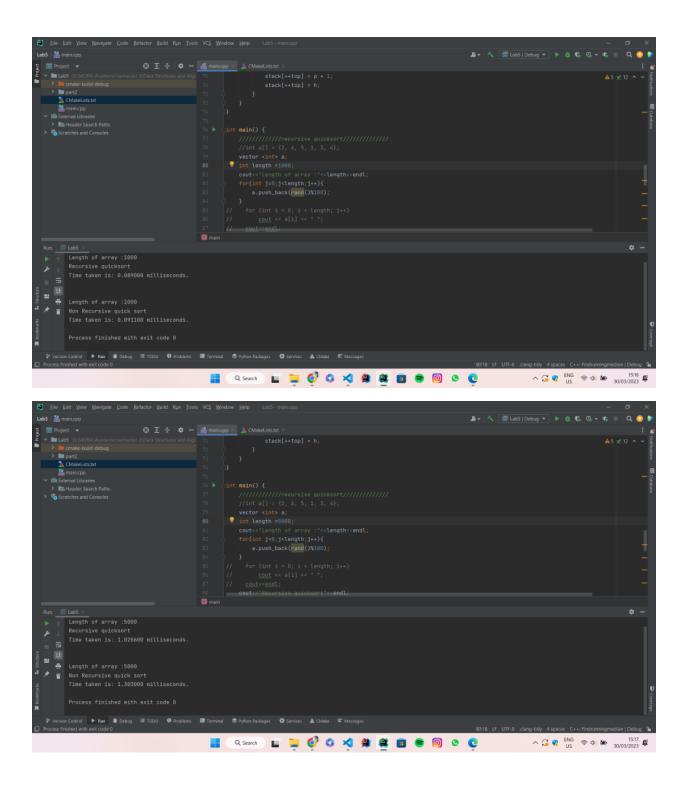
INDEX:210400N

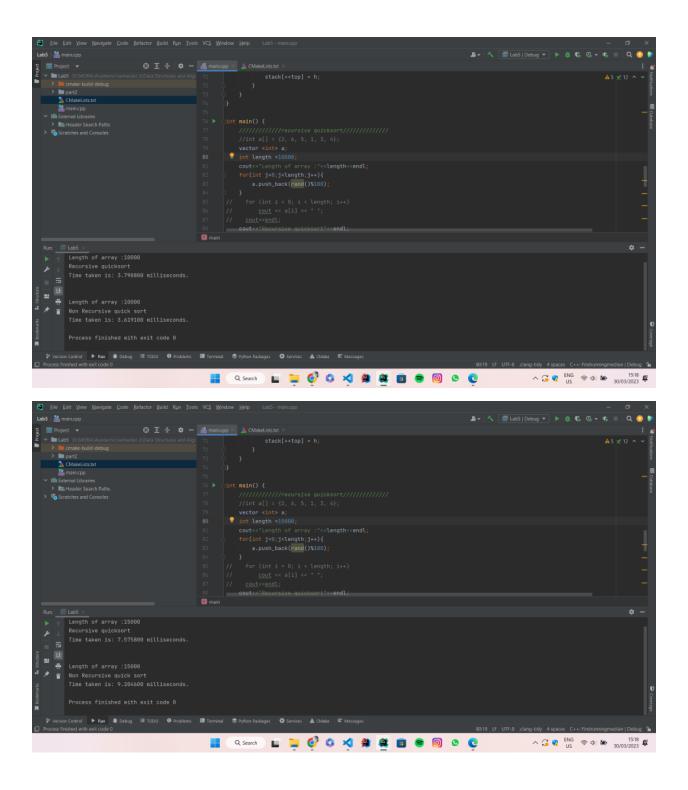
Question 1

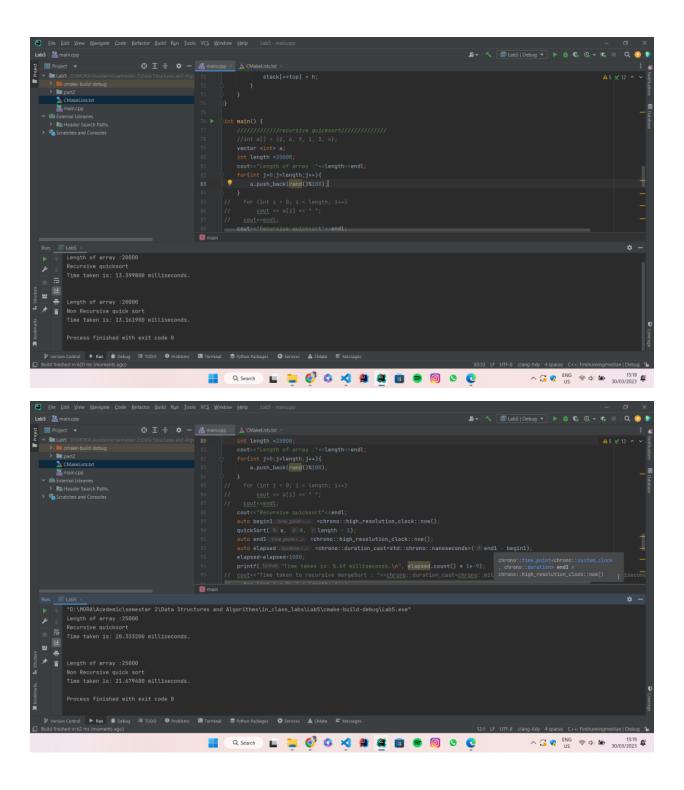
• Compare time taken for execution and plot the graph.

Array length	Time Taken Recursive QuickSort	Time taken Iterative Quick Sort
1000	0.089	0.0911
5000	1.0206	1.303
10000	3.7908	3.6191
15000	7.5758	9.2046
20000	13.3998	13.1619
25000	20.3332	21.6794









Question 2: Find running median

```
#include <iostream>
int k=arr.size()/2;
```

