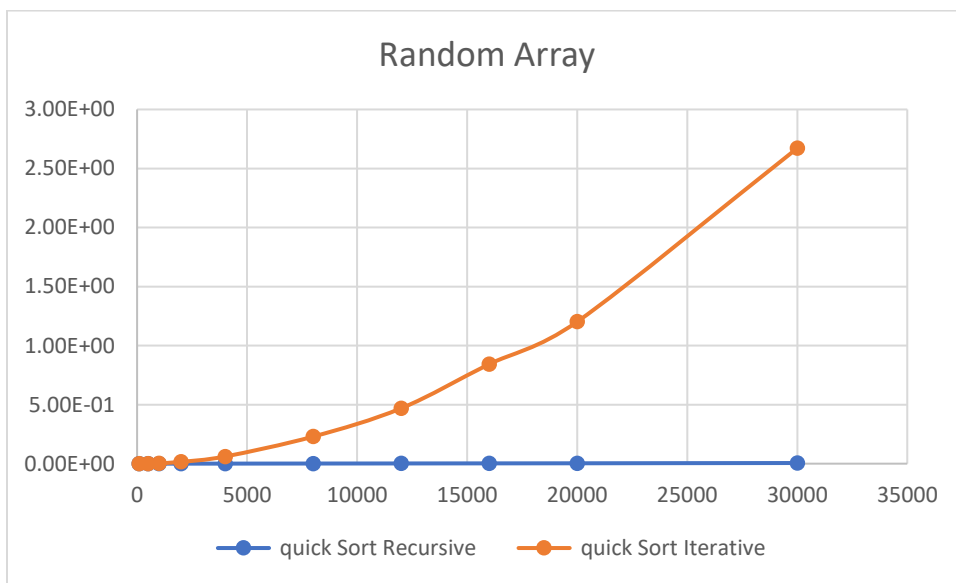


Q1

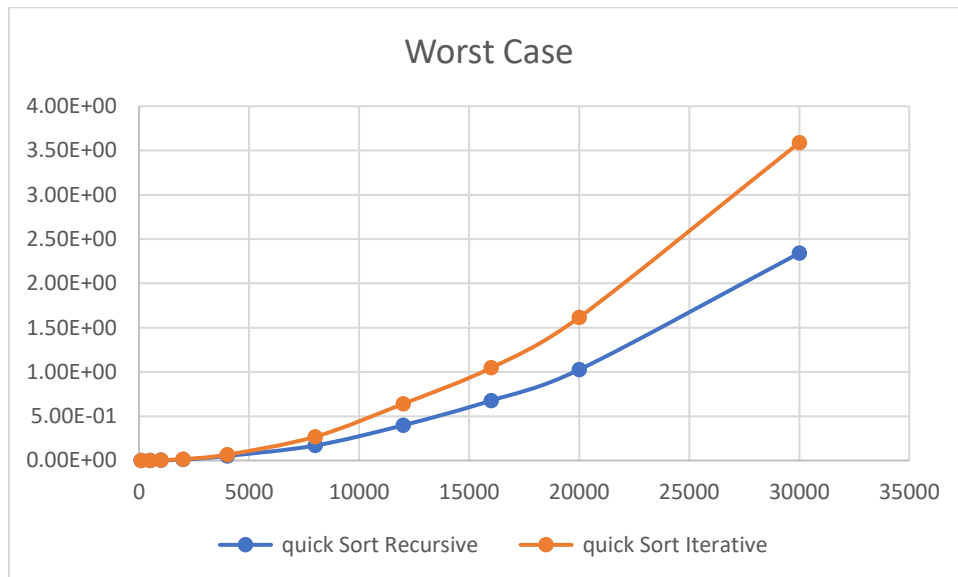
For Random Arrays

Array Size	quick Sort Recursive	quick Sort Iterative
100	1.30E-05	6.70E-05
500	8.50E-05	0.001413
1000	0.000159	0.004743
2000	0.000199	0.013627
4000	0.000543	0.064366
8000	0.001248	0.223955
12000	0.001849	0.498877
16000	0.002585	0.855228
20000	0.003157	1.16969
30000	0.004776	2.34032



For the Descending Array

Array Size	quick Sort Recursive	quick Sort Iterative
100	4.40E-05	6.60E-05
500	0.000922	0.001352
1000	0.00294	0.004217
2000	0.009624	0.015798
4000	0.050972	0.065928
8000	0.168795	0.268285
12000	0.397738	0.639937
16000	0.676482	1.04615
20000	1.02519	1.61611
30000	2.3411	3.58881



Source Code - <https://github.com/StupidME2000/Sem-4-DSA-ICA-Week-5-Q1-QuickSortAnalysis.git>

Question 2: Find running median

Source Code - <https://github.com/StupidME2000/Sem-4-DSA-ICA-Q2-Find-running-median.git>