



(CC271) Data Structures II

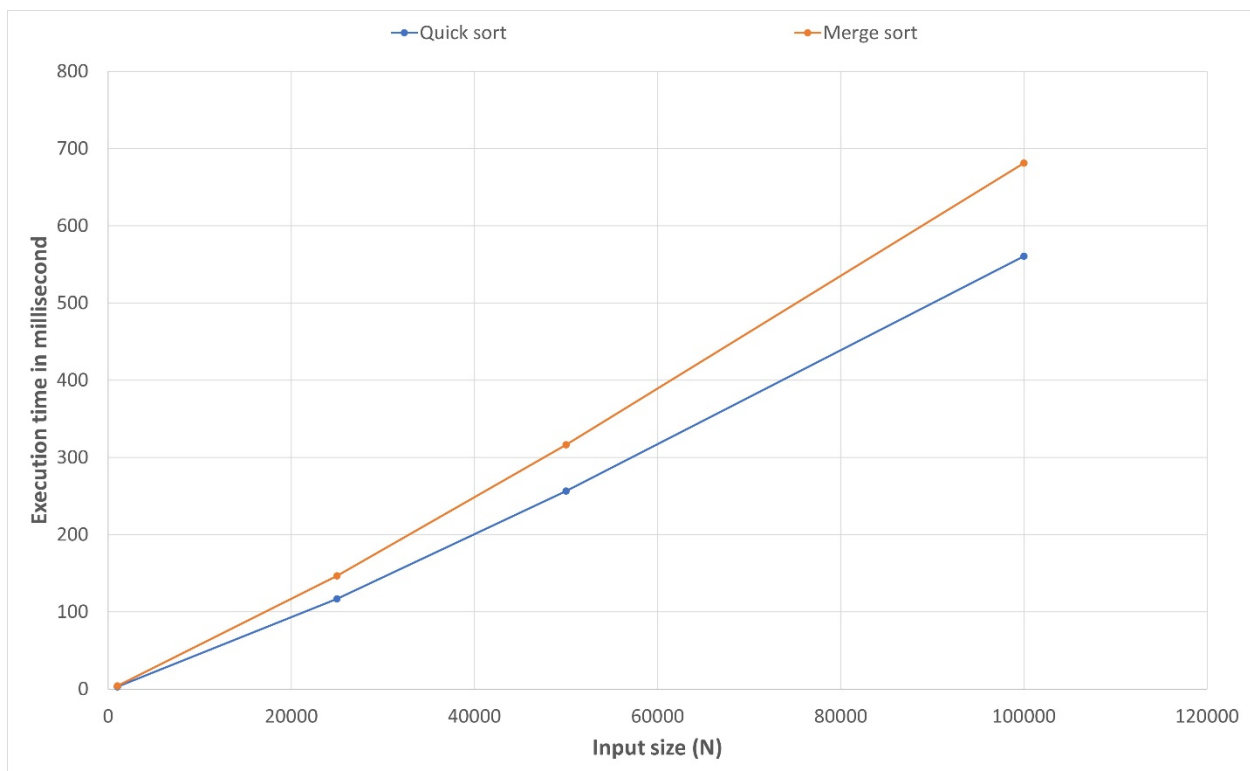
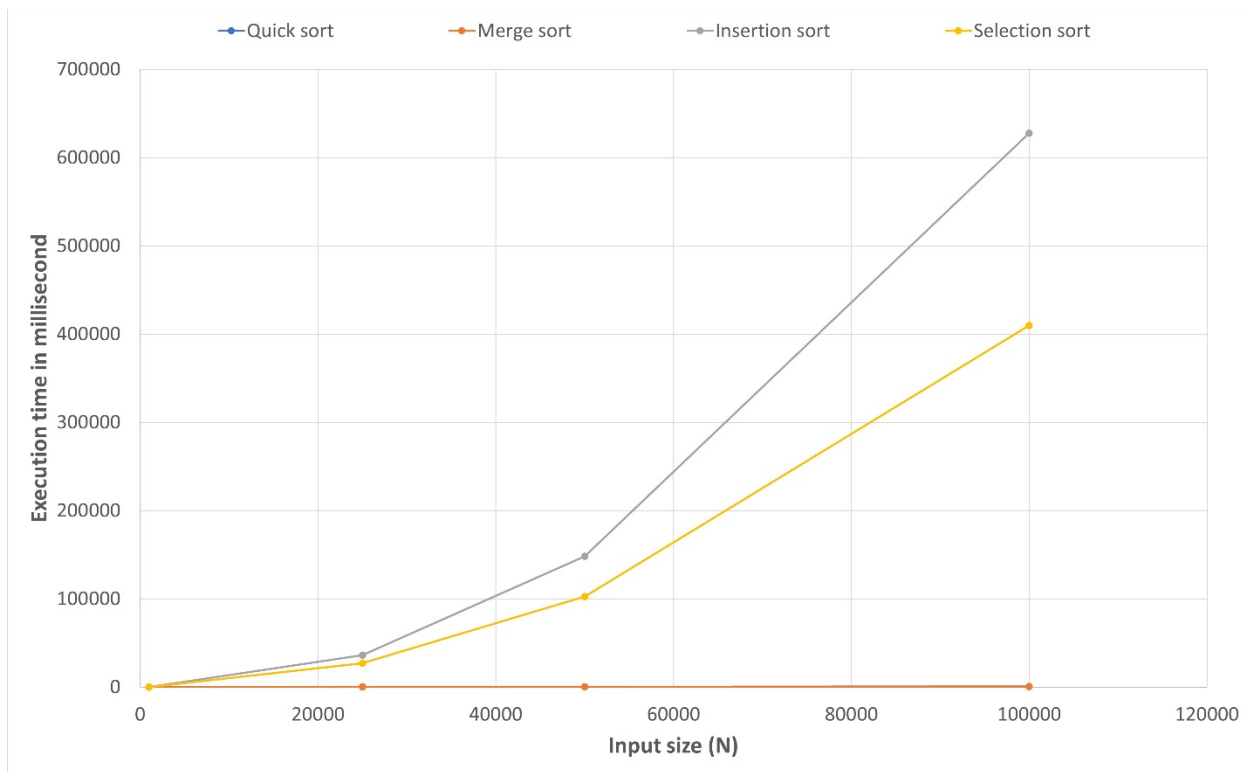
Assignment 1

Sorting Techniques

Authors:

6207 Hayam Hiba

6848 Adel Yasser



Source Data:

_____ Array of **1000** numbers _____

Running time for **Quick** Sort is

2.9904842376708984 ms

Running time for **Merge** Sort is

3.9892196655273438 ms

Running time for **Selection** Sort is

34.90638732910156 ms

Running time for **Insertion** Sort is

50.864219665527344 ms

_____ Array of **25000** numbers _____

Running time for **Quick** Sort is

116.68944358825684 ms

Running time for **Merge** Sort is

146.6066837310791 ms

Running time for **Selection** Sort is

26897.160053253174 ms

Running time for **Insertion** Sort is

36094.7482585907 ms

_____ Array of **50000** numbers _____

Running time for **Quick** Sort is

256.3133239746094 ms

Running time for **Merge** Sort is

316.15519523620605 ms

Running time for **Selection** Sort is

102591.68004989624 ms

Running time for **Insertion** Sort is

147972.38659858704 ms

_____Array of **100000** numbers_____

Running time for **Quick** Sort is

560.5001449584961 ms

Running time for **Merge** Sort is

681.1783313751221 ms

Running time for **Selection** Sort is

409811.6362094879 ms

Running time for **Insertion** Sort is

627625.3361701965 ms