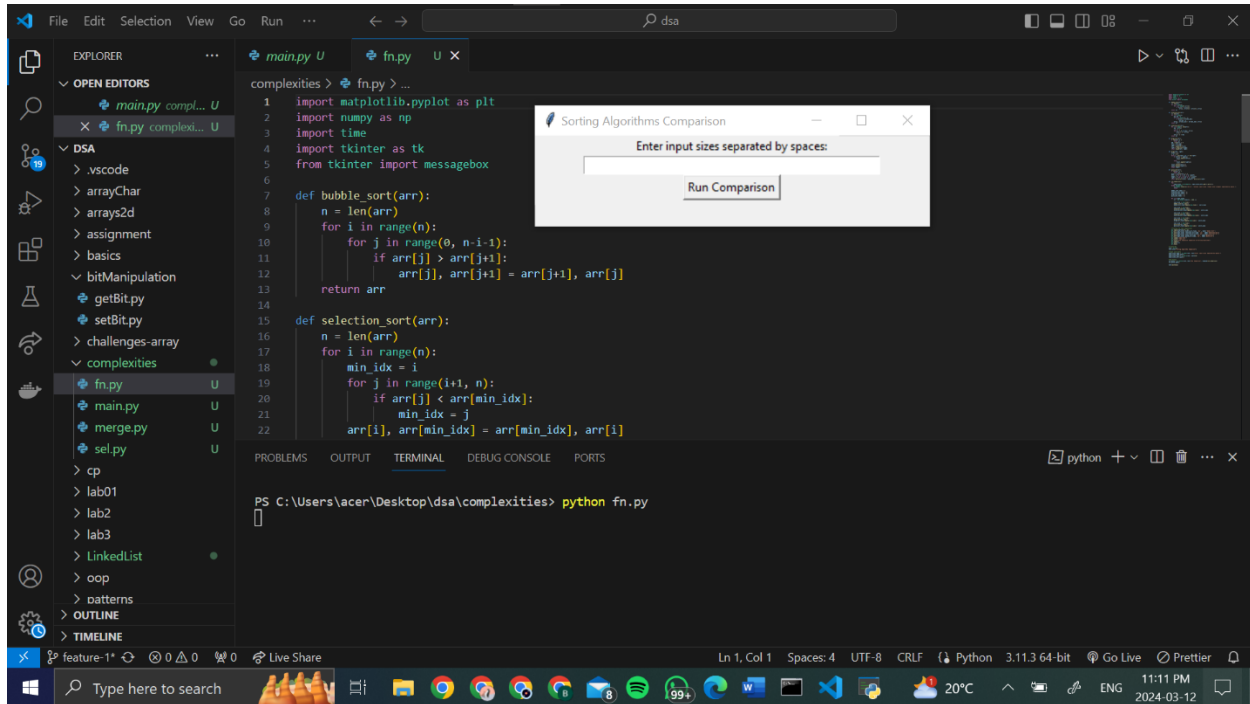
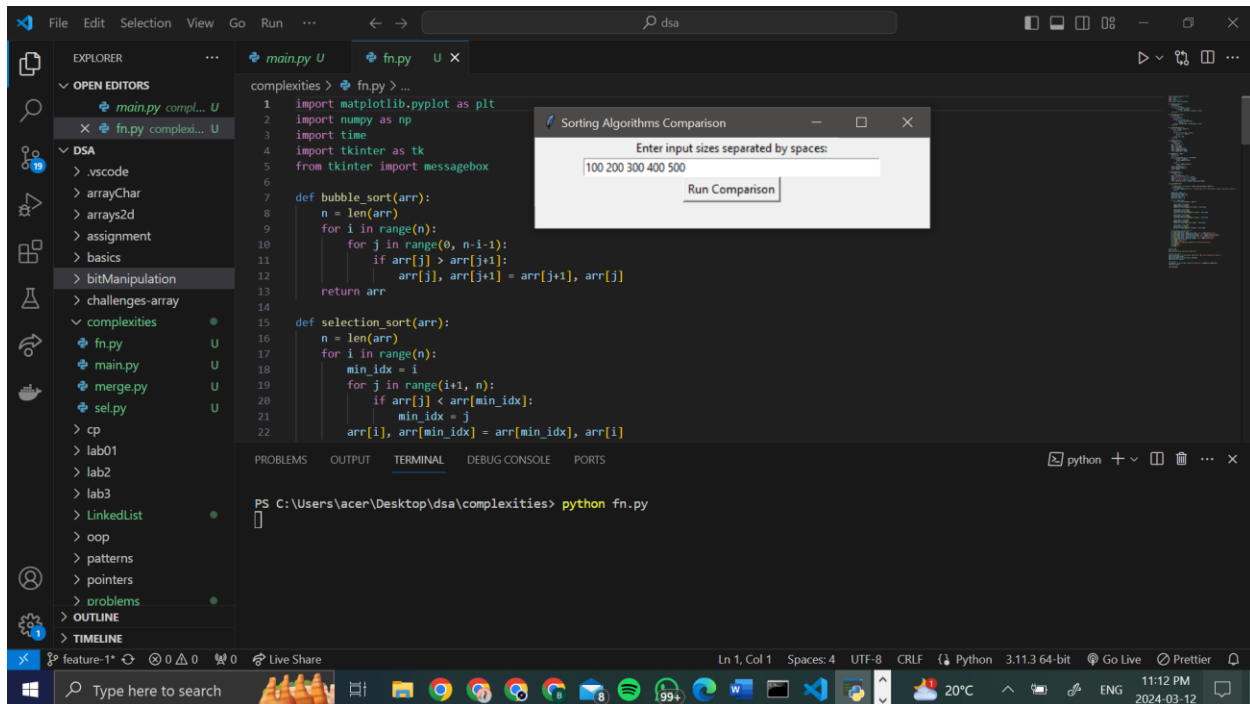


Time Complexities of Sorting Algorithms

GUI



Input sample size:



Graph:

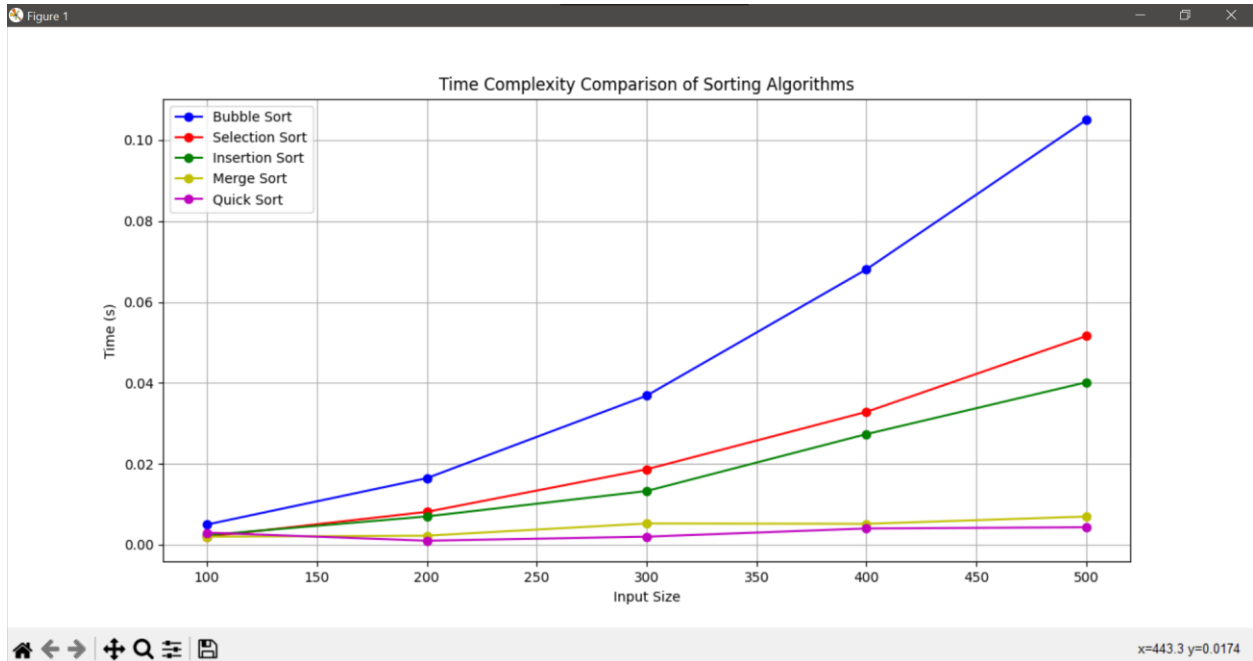


Table:

Sorting Method	Time Complexity	Space Complexity
Selection Sort	$O(n^2)$	$O(1)$
Bubble Sort	$O(n^2)$	$O(1)$
Insertion Sort	$O(n^2)$	$O(1)$
Merge Sort	$O(\log n)$	$O(n)$
Quick Sort	$O(\log n)$	$O(\log n)$

Code: <https://github.com/affanabid/dsa/blob/main/complexities/fn.py>