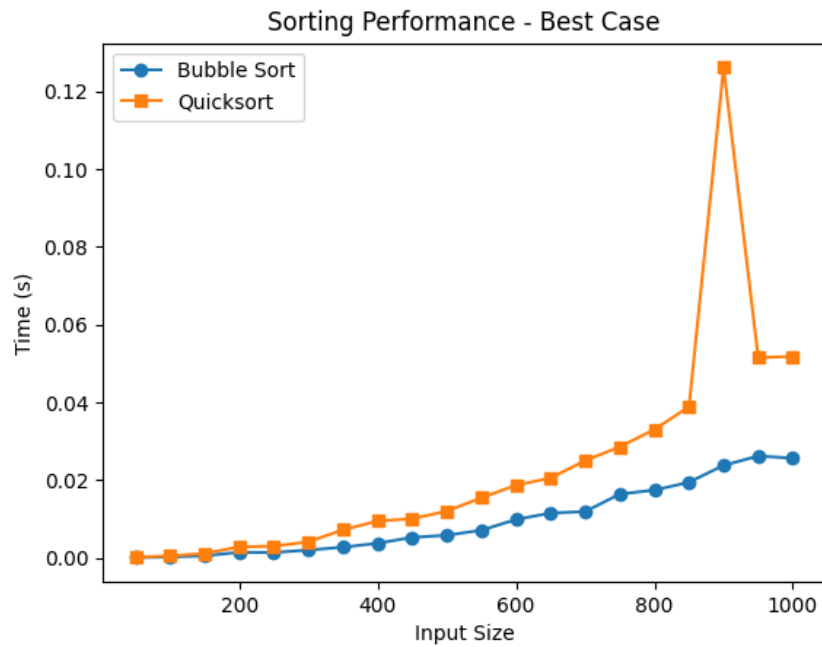
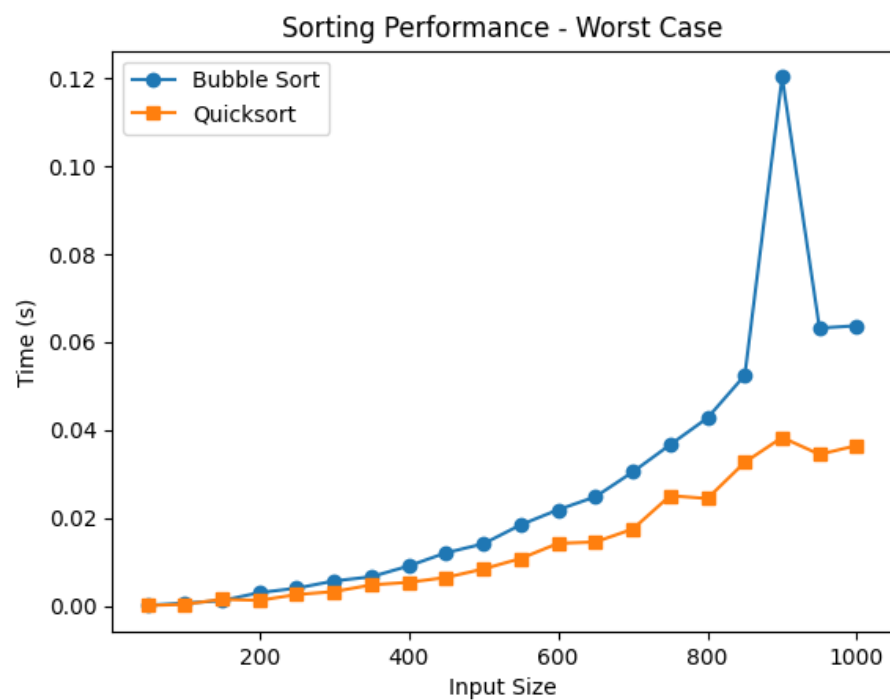


## ENSF 338 Lab 3 Exercise 2

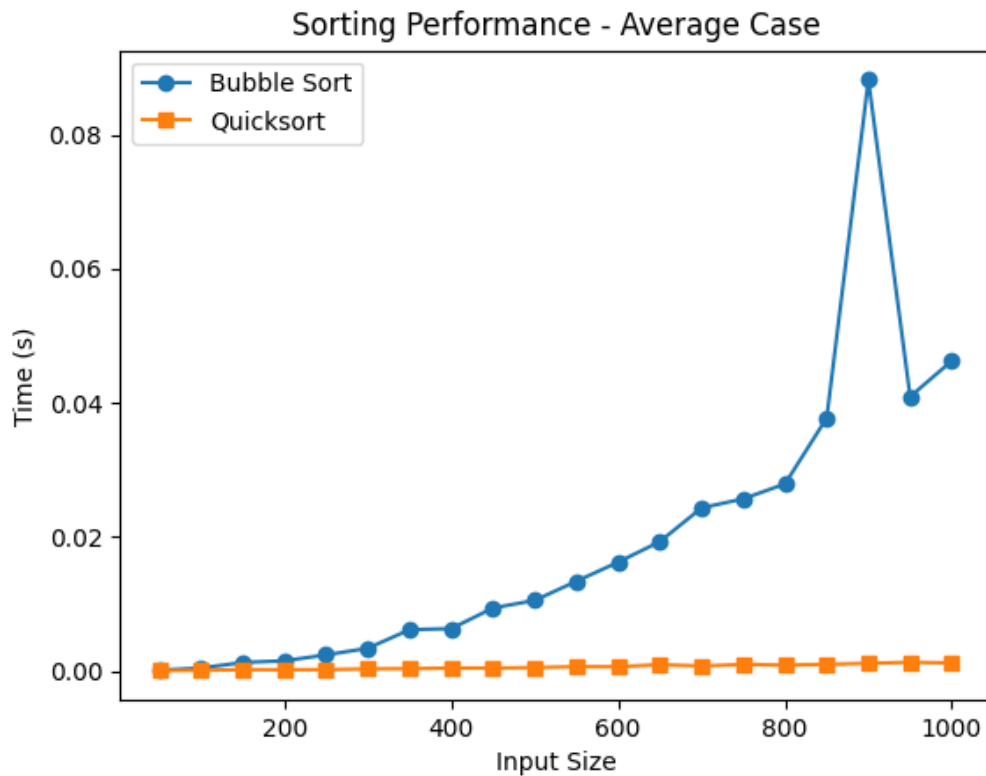
Best Case:



Worst Case:



Average Case:



Question 4: From the plots, we can see that bubble sort performs well for small input sizes but its performance decreases as the input sizes increase. Quicksort outperforms bubble sort for larger inputs. Based on this, our threshold is around 50 since bubble sort's execution time begins increasing and quicksort maintains its performance.