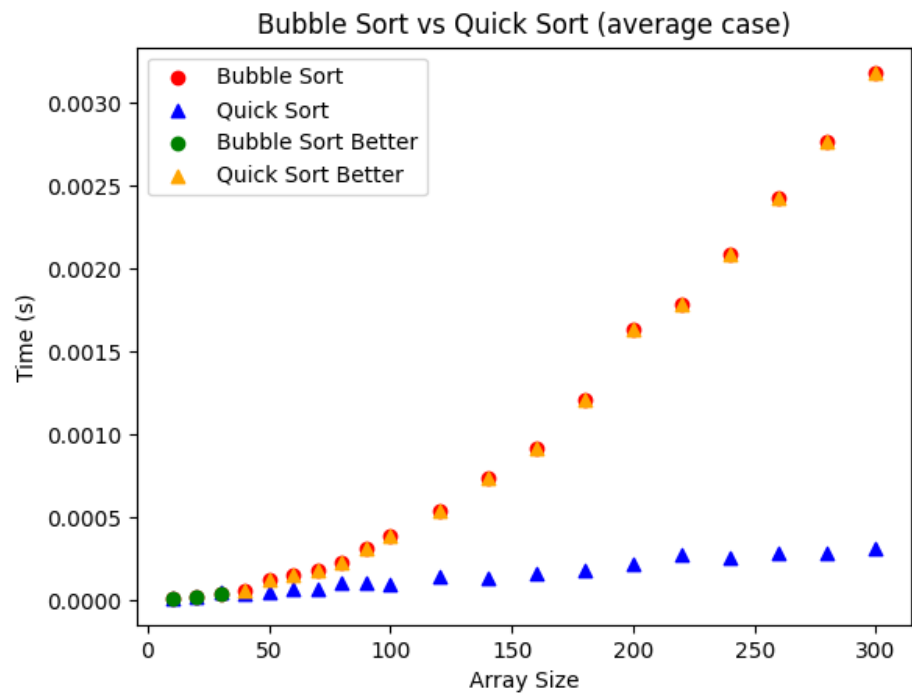
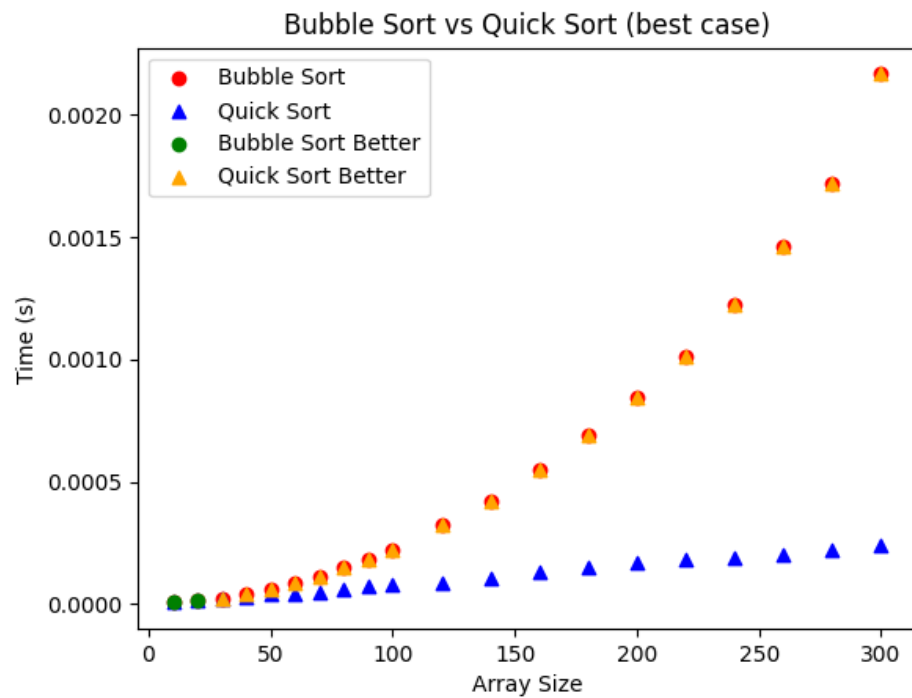
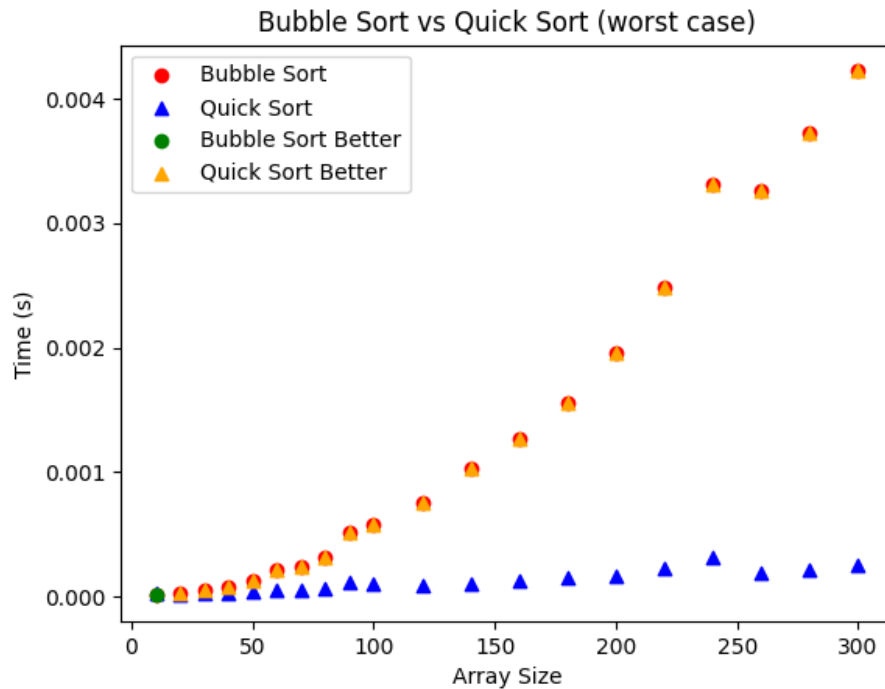


### Exercise 2 Question 3





#### Exercise 2 Question 4

An input size threshold of approximately 100 can determine that the input is “small”. Based on the plots above, bubble sort and quick sort performed efficiently with short execution times for array sizes under 100. Array sizes over 100 started to see an increase in execution times since the input size of the arrays started to impact performance. Therefore, input sizes under 100 can be considered “small” while input sizes over 100 can be considered “large”.