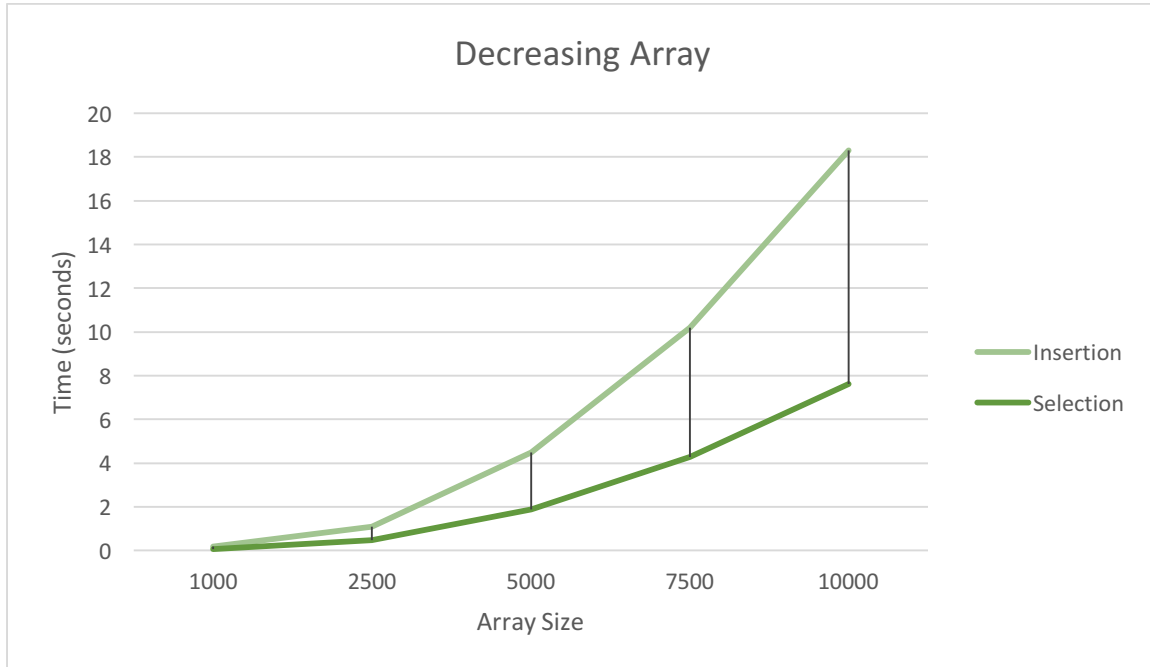
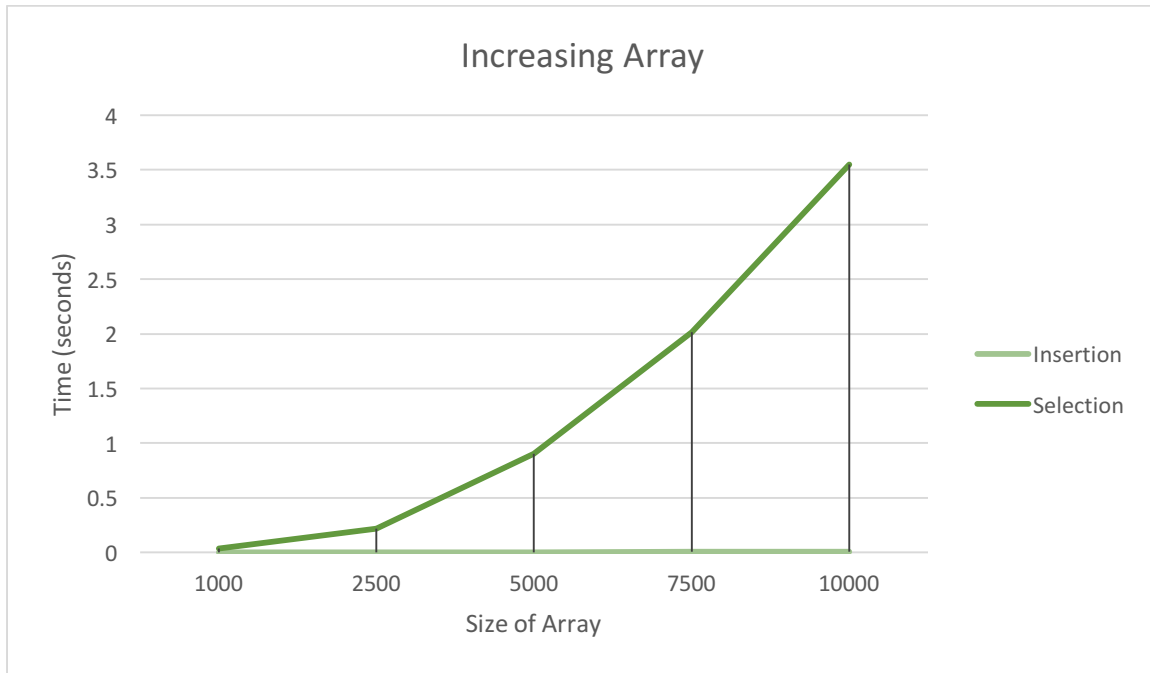
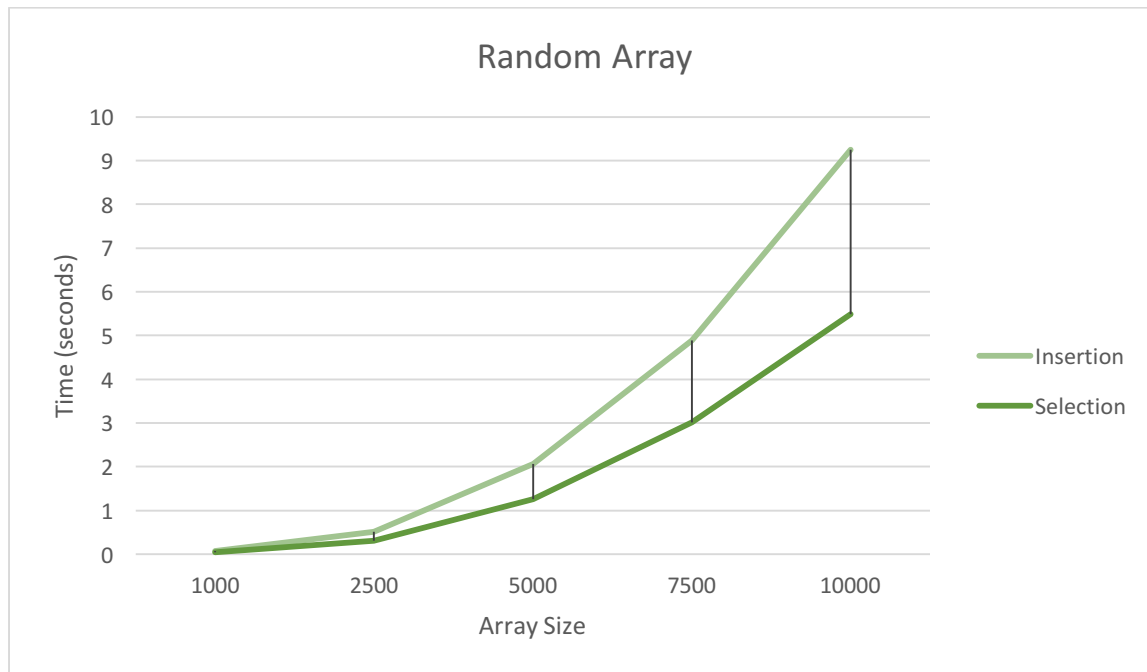


Project 1: A Battle of Sorts
Team Shamrock
Graphs and Explanation





Explanation:

As seen by the Increasing Array graph, insertion sort is faster when the array is already sorted. It only needs check the last element of the array and only runs through the array once.

Otherwise (as seen by the Decreasing Array and Random Array graphs), selection sort is faster, perhaps because it performs fewer swaps.

However, both algorithms in the worst case perform n^2 comparisons and have two nested loops which step through each element of the array.