Unit 7 Assessment Notes

tinyArray:
Insert: 139.946 microseconds
Append: 108.718 microseconds

smallArray:
Insert: 88.896 microseconds
Append: 131.33 microseconds

mediumArray:
Insert: 234.124 microseconds
Append: 184.925 microseconds

largeArray:
Insert: 7.214266 milliseconds
Append: 669.842 microseconds

extraLargeArray:
Insert: 960.117942 milliseconds
Append: 12.144358 milliseconds

It seems like, on average, the append function runs faster than the insert function. This is because in the insert function, it is using an unshift method. When an unshift method is used, it adds the new elements to the start of the array, which essentially creates more work for the system because elements have to be pushed back. On the other hand, in the append function, a push method is being used. When a push method is used, all it does is add the new elements to the end of the array,