

Size	Insert Time	Append Time
tinyArray	34.3 microseconds	67.5 microseconds
smallArray	45.3 microseconds	137.8 microseconds
mediumArray	237.5 microseconds	238.3 microseconds
largeArray	7.4069 ms	381.3 microseconds
extraLargeArray	715.2386 ms	3.4899 ms

Tiny Array:

For the tiny array the unshift() method was faster than the push() method. The Insert function was able to finish 30 microseconds before the push function. This function was tested with an array sized at 10.

Small Array:

The small array had a faster time with the insert function rather than the push function like the tiny array. This method was 90 microseconds faster. This function was tested with an array size of 100.

Medium Array:

The medium array was tested with an array size of 1000. The Inserted function was faster but only by 1 microsecond on this scale. As the scale is growing the push method is becoming more efficient.

Large Array:

The large array had a size of 10000. The Append function that uses the push method was more efficient with larger scale. Being tested at 381 microseconds while the unshift method had a time of 7 milliseconds.

Extra Large Array:

The extra-large array was tested at a size of 100000. This array showing that on larger scales the push method is a lot better and efficient. The push method had a time of 3.5 milliseconds while the unshift method took 715 milliseconds. This shows how much better push is for scale than the unshift method.