

2. The runtime for the push method took half the time it did for the unshift method.

3. Runtime by Method for Different Sized Arrays

	tinyArray	smallArray	mediumArray	largeArray	extraLargeArray
Push	.099 ms	.110 ms	0.302 ms	17.27 ms	2.53 ms
Unshift	0.143 ms	.200 ms	0.257 ms	0.930 ms	6.11 ms

4. Looking over the results from the table above there is a general pattern: the time runtime seems to increase as the arrays increase and the push method has a lesser runtime than the unshift. There are two outliers when the largeArray and mediumArray is passed in because the push method results in a larger runtime than the unshift. Regarding scalability, It would seem that the push method scales better. I make that observation from the runtime of each method going from largeArray to extraLargeArray being passed in. For the push method the runtime decreases by 14.74 ms. For the unshift method the runtime increases by 5.18 ms.

5. The reason that unshift is slower than push is because it also has to unshift or move all of the elements to the left once the first element is added and every time one is added after that.