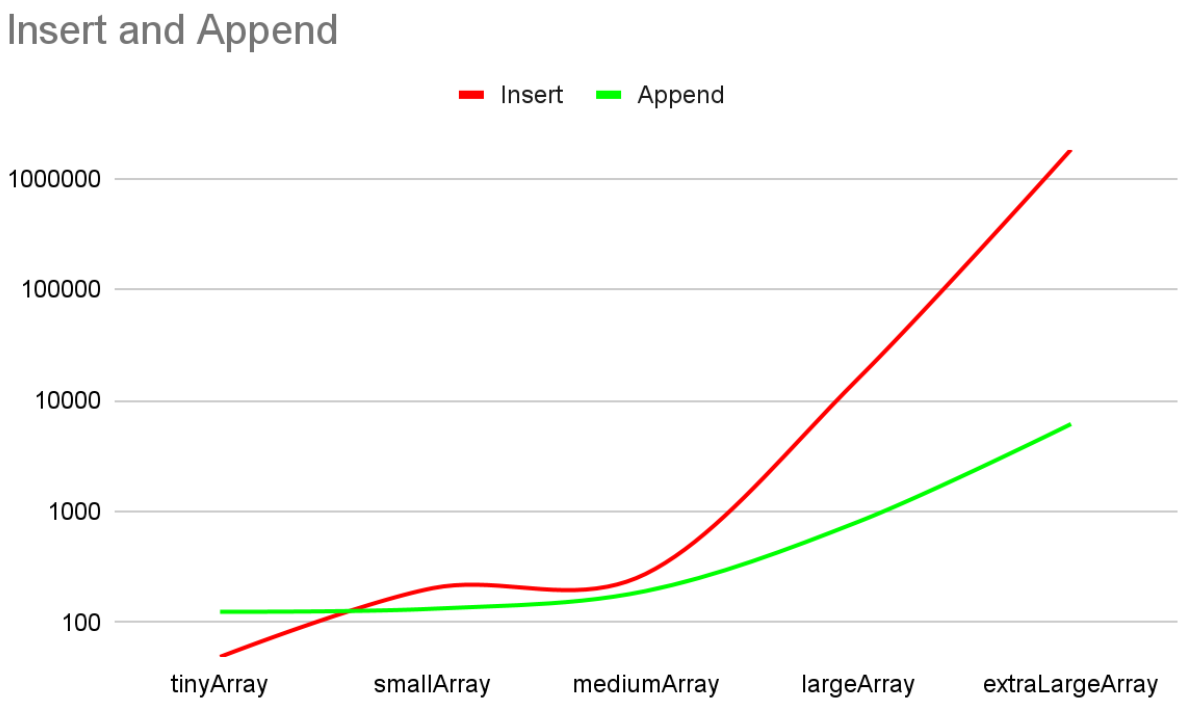
Runtime Analysis

	tinyArray	smallArray	mediumArray	largeArray	extraLargeArray
insert	49.712 **µs**	204.614 **µs**	274.148 **µs**	15.820305 **ms**	1.833510896 **s**
append	125.973 **µs**	133.002 **µs**	192.247 **µs**	809.209 **µs**	6.146255 **ms**



Looking at these results it is easy to see that the Append method would scale far better than the Insert method will. Because the Insert method forces the entire array to shift each time, the line will continue to grow exponentially and become significantly less efficient with increasing workload. It appears that with arrays where length <= 100 it would be better to use the insert method, but for scaling purposes the Append method is much more efficient.