

Module 7 project:

Name of the function:	Extra-large array	Tiny array	Small array	Medium Array	Large Array
Append	4.3606ms	201.9 ns	126.4 ns	174.1 ns	530.8 ns
insert	782.6355ms	74.7 ns	63.9 ns	193.3 ns	10.5617 ns

4. Read over the results, and write a paragraph that explains the pattern you see. How does each function “scale”? Which of the two functions scales better? How can you tell?

One thing i can certainly gater is that for the run time of each problem this title/size does not specifically match as we would expect. We can also see that append does not match insert. I have been able to fater the problems with for each more than once can take up more, along with the time and space complexity.

5. For extra credit, do some review / research on why the slower function is so slow, and summarize the reasoning for this.

We can see that the Extra-large array is going to be running around 10000xs, while each other function; not specifically sizing down. However they each run 100xs less.