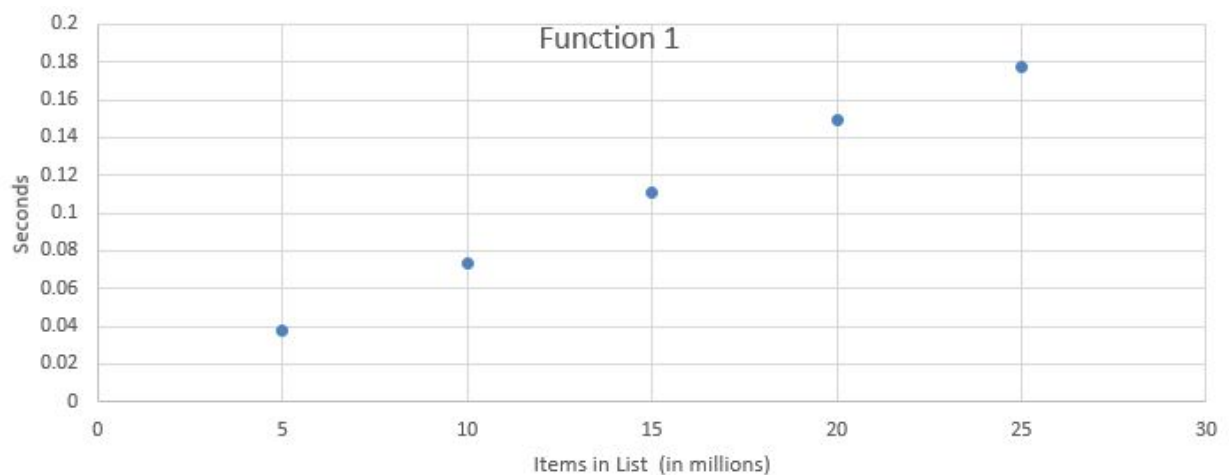
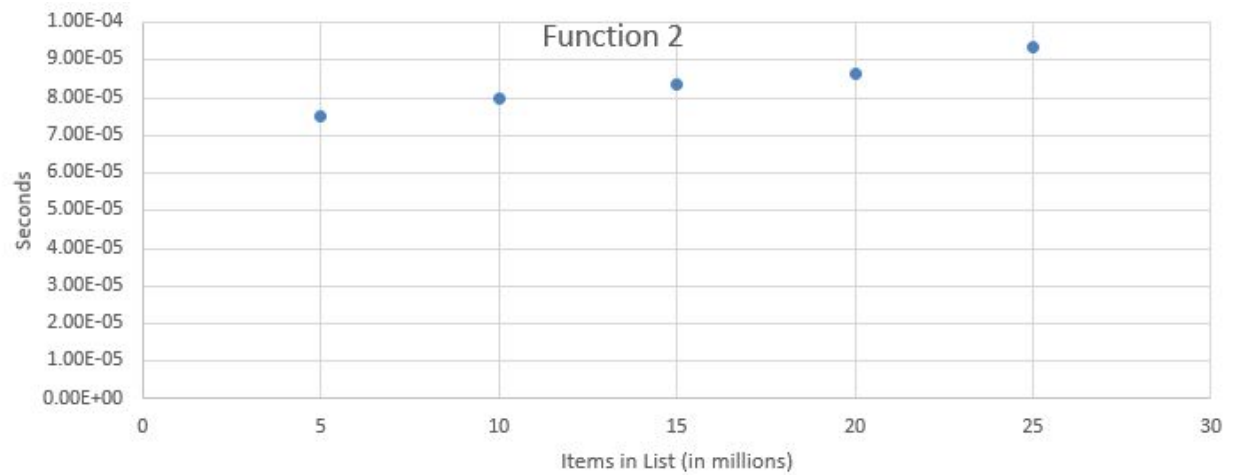


		Function 1			
		Times			
Items in list (in millions)		Trial 1	Trial 2	Trial 3	Average
25		1.80E-01	0.176846981	0.177320957	9.37E-05
20		0.1475811	0.149415016	0.15167594	8.64E-05
15		0.107355833	0.113330364	0.111301184	8.34E-05
10		0.073497772	0.074538946	0.073152065	7.97E-05
5		0.034266233	0.044399023	0.03563714	7.53E-05
		Function 2			
		Times			
Items in list (in millions)		Trial 1	Trial 2	Trial 3	Average
25		9.20E-05	9.20E-05	9.70E-05	0.177999
20		8.42E-05	8.70E-05	8.80E-05	0.149557
15		8.23E-05	8.39E-05	8.42E-05	0.110662
10		8.01E-05	7.92E-05	7.99E-05	0.07373
5		7.58E-05	7.49E-05	7.51E-05	0.038101



Function 1 appears to be linear. Looking at the slope of the graph we see its slope is not changing depending on the items in the list



Function 2 appears to be logarithmic. I tested numbers smaller than 5 million and when adding them to the graph it appears to be logarithmic