Week	1 Analyze.
Part	
	SortArray
	by $O$ notation = $O(n \cdot N) = O(n^2)$
Q2	Standard Peviation
	function 1, big 0 notation = 0 (ntn)
	= O(2n)
	=0(n)
	further 2 12 D 142 - 10 (n.m)
	Function 2, big 0 notation = $O(n \cdot N)$ = $O(n^2)$
	function 3, big 0 notation = 0 (n+n)
	= O(2n)
	= 0 (n)
04	Performance (tran best to worst): When $n \ge lange O(1), O(\log n), O(n), O(\log n), O(n^2), O(2^n)$
Part 2	
	Search Sorted 1
	by 0 notation = 0(n)
	Search Sorted 2
	bzy O notation = O (logn)
<u>05</u>	Consider Senrch Sorted 1.
	The graph is similar to a linear graph.
	Consider Search Sorted 2.
	The graph is similar to a logarithmic graph.
	-> When n 7s Tucreasing -> Search Sorted   Takes more time to run  Search Sorted 2 has better performance in the coorst case.
	Search Sorted 2 has better performance in the corst case