Sorted List

Sorting Algorithm/ List Size	200	1000	5000	10000	50000	75000	100000	
InsertionSort	0.0139	0.199	2.400	6	5	7	8	
SelectionSort	0.08	0.9199	26.8	92.6000	2193.0	4373.8	8841.6	
ShellSort	0.0099	0.079	0.999	1.6	2.60	3.2	4.4	
BucketSort								
HeapSort	0.19	1.798	44.68	209.0				
QuickSort	0.046	0.219	3.0	4.8	15.3999	19.4000	20	
RadixSort	0.69	13.481	330.41	1290.0	33666.0	167746.0		
SelectionSortLinkedList	0.076	1.37	35.8	147.0	3248.0	7343.0	12997.0	
MergeSort Linked List								
InsertionSort LinkedList	0.136	1.71	45.0	224.0	4463.0	10009.0	18037.0	
Optimized QuickSort								

Inverse Sorted List

Sorting Algorithm/ List Size	200	1000	5000	10000	50000	75000	100000	
InsertionSort	0.0059	0.06	0.2	1.333	3	6	9.0	
SelectionSort	0.074	0.94	25.8	137.0	3037.0	7328.0	12838.0	
ShellSort	0.012	0.07	1.2	2.5	4.0	5.5	8	
BucketSort								
HeapSort								
QuickSort	0.046	0.229	2.6	7	22	29	34.5	
RadixSort								
SelectionSortLinkedList	0.09	1.54	37.599	158.5	3630.0	8259.0	15553.0	
MergeSort Linked List								
InsertionSort LinkedList	0.092	1.380	35.8	151.0	3161.0	7001.0	13945.0	
Optimized QuickSort	0.008	0.21	3	7	15.8	16.2	23.2	

Random List

Sorting Algorithm/ List Size	200	1000	5000	10000	50000	75000	100000	
InsertionSort	0.062	0.770	21.400	110.000	3146.000	7137.000	12788.000	
SelectionSort	0.086	1.069	28.600	89.300	101.200	2698.400	11346.400	
ShellSort	0.062	0.659	19.200	72.600	1994.399	4620.400	8346.600	
BucketSort								
HeapSort	0.215	2.408	53.410	302.000				
QuickSort	0.066	0.400	4.600	13.000	48.000	76.000	70.000	
RadixSort	0.735	13.373	333.860	1259.000	31179.000	69729.000	127184.000	
SelectionSortLinkedList	0.098	1.520	35.400	153.000	3284.000	7105.000	12611.000	
MergeSort Linked List								
InsertionSort LinkedList	0.134	1.72000	61.4	261.0	11775.0	27626.0	53262.0	
Optimized QuickSort	0.060	0.410	4.199	6.600	24.000	38.400	49.600	