	user	system	total	real
Bubble sort 100 elements	0	0	0	0.001043
Selection sort 100 elements	0.01	0	0.01	0.00034
Insertion sort 100 elements	0	0	0	0.000266
Merge sort 100 elements	0	0	0	0.000584
Quick sort 100 elements	0	0	0	0.000181
Radix sort 100 elements	0	0	0	0.007098
Bubble sort 1000 elements	0.1	0	0.1	0.093018
Selection sort 1000 elements	0.03	0	0.03	0.034755
Insertion sort 1000 elements	0.03	0	0.03	0.032442
Merge sort 1000 elements	0.01	0	0.01	0.007738
Quick sort 1000 elements	0	0	0	0.00224
Radix sort 1000 elements	0.04	0.01	0.05	0.045969
Bubble sort 5000 elements	2.47	0.02	2.49	2.601971
Selection sort 5000 elements	0.81	0.01	0.82	0.826714
Insertion sort 5000 elements	0.79	0	0.79	0.807374
Merge sort 5000 elements	0.05	0	0.05	0.045843
Quick sort 5000 elements	0.01	0	0.01	0.014299
Radix sort 5000 elements	0.85	0.05	0.9	0.924161
Bubble sort 10000 elements	9.56	0.06	9.62	9.764389
Selection sort 10000 elements	3.29	0.04	3.33	3.435144
Insertion sort 10000 elements	3.12	0.01	3.13	3.153305
Merge sort 10000 elements	0.08	0	0.08	0.084829
Quick sort 10000 elements	0.03	0	0.03	0.026597
Radix sort 10000 elements	3.16	0.17	3.33	3.346173
Bubble sort 20000 elements	37.46	0.18	37.64	38.010566
Selection sort 20000 elements	12.76	0.1	12.86	12.988139
Insertion sort 20000 elements	12.7	0.08	12.78	13.018457
Merge sort 20000 elements	0.17	0	0.17	0.170531
Quick sort 20000 elements	0.06	0	0.06	0.056962
Radix sort 20000 elements	11.28	0.64	11.92	12.089833

Compare run time between sort methods

Sort method	Run time
Bubble sort 100 elements	0.001043
Selection sort 100 elements	0.00034
Insertion sort 100 elements	0.000266
Merge sort 100 elements	0.000584
Quick sort 100 elements	0.000181
Radix sort 100 elements	0.007098
Bubble sort 1000 elements	0.093018
Selection sort 1000 elements	0.034755
Insertion sort 1000 elements	0.032442
Merge sort 1000 elements	0.007738
Quick sort 1000 elements	0.00224
Radix sort 1000 elements	0.045969
Bubble sort 5000 elements	2.601971
Selection sort 5000 elements	0.826714
Insertion sort 5000 elements	0.807374
Merge sort 5000 elements	0.045843
Quick sort 5000 elements	0.014299
Radix sort 5000 elements	0.924161
Bubble sort 10000 elements	9.764389
Selection sort 10000 elements	3.435144
Insertion sort 10000 elements	3.153305
Merge sort 10000 elements	0.084829
Quick sort 10000 elements	0.026597
Radix sort 10000 elements	3.346173
Bubble sort 20000 elements	38.01056
Selection sort 20000 elements	12.988139
Insertion sort 20000 elements	13.018457
Merge sort 20000 elements	0.170531
Quick sort 20000 elements	0.056962
Radix sort 20000 elements	12.089833