

SORTING

Size(N)	Bubble(BEST, AVG, WORST)	Insertion(BEST, AVG, WORST)
10	Exchange :- [0], [13], [45] Time :- [0.000430], [0.000330], [0.000390]	Exchange :- [0], [13], [32] Time :- [0.000380], [0.000380], [0.000520]
20	Exchange :- [0], [115], [190] Time :- [0.000470], [0.000490], [0.000490]	Exchange :- [0], [115], [75] Time :- [0.000570], [0.000510], [0.000480]
50	Exchange :- [0], [561], [1225] Time :- [0.000380], [0.000300], [0.000440]	Exchange :- [0], [561], [664] Time :- [0.000300], [0.000650], [0.000390]
100	Exchange :- [0], [2360], [4950] Time :- [0.000470], [0.000380], [0.000400]	Exchange :- [0], [2360], [2590] Time :- [0.000470], [0.000440], [0.000370]
1000	Exchange :- [0], [248145], [499487] Time :- [0.0041], [0.008150], [0.010550]	Exchange :- [0], [248145], [251342] Time :- [0.000370], [0.00564], [0.005820]
10000	Exchange :- [0], [24952888], [49993478] Time :- [0.387530], [0.792360], [1.022040]	Exchange :- [0], [24952888], [24040590] Time :- [0.000630], [0.538910], [0.540960]
100000	Exchange :- [0], [2491977701], [499994997] Time :- [18.60056], [49.57843], [34.76100951]	Exchange :- [0], [2419977701], [2507972296] Time :- [0.000475], [14.30370], [28.5665]

Iterative and Recursive codes

Size	Factorial Iterative	Factorial Recursive	Fibonacci Iterative	Fibonacci Recursive
5	0.000002	0.000002	0.00001	0.000007
10	0.000001	0.000002	0.000027	0.000011
15	0.000003	0.000002	0.000016	0.000019
20	0.000002	0.000001	0.000013	0.000083
25	0.000001	0.000003	0.000017	0.000790
30	0.000002	0.000002	0.000095	0.009001
35	0.000002	0.000002	0.000109	0.104275
40	0.000002	0.000002	0.000132	1.131179
45	0.000002	0.000002	0.000178	12.619982
50	0.000002	0.000003	0.000188	139.113511
100	0.000003	0.000004	0.000282	UNKNOWN