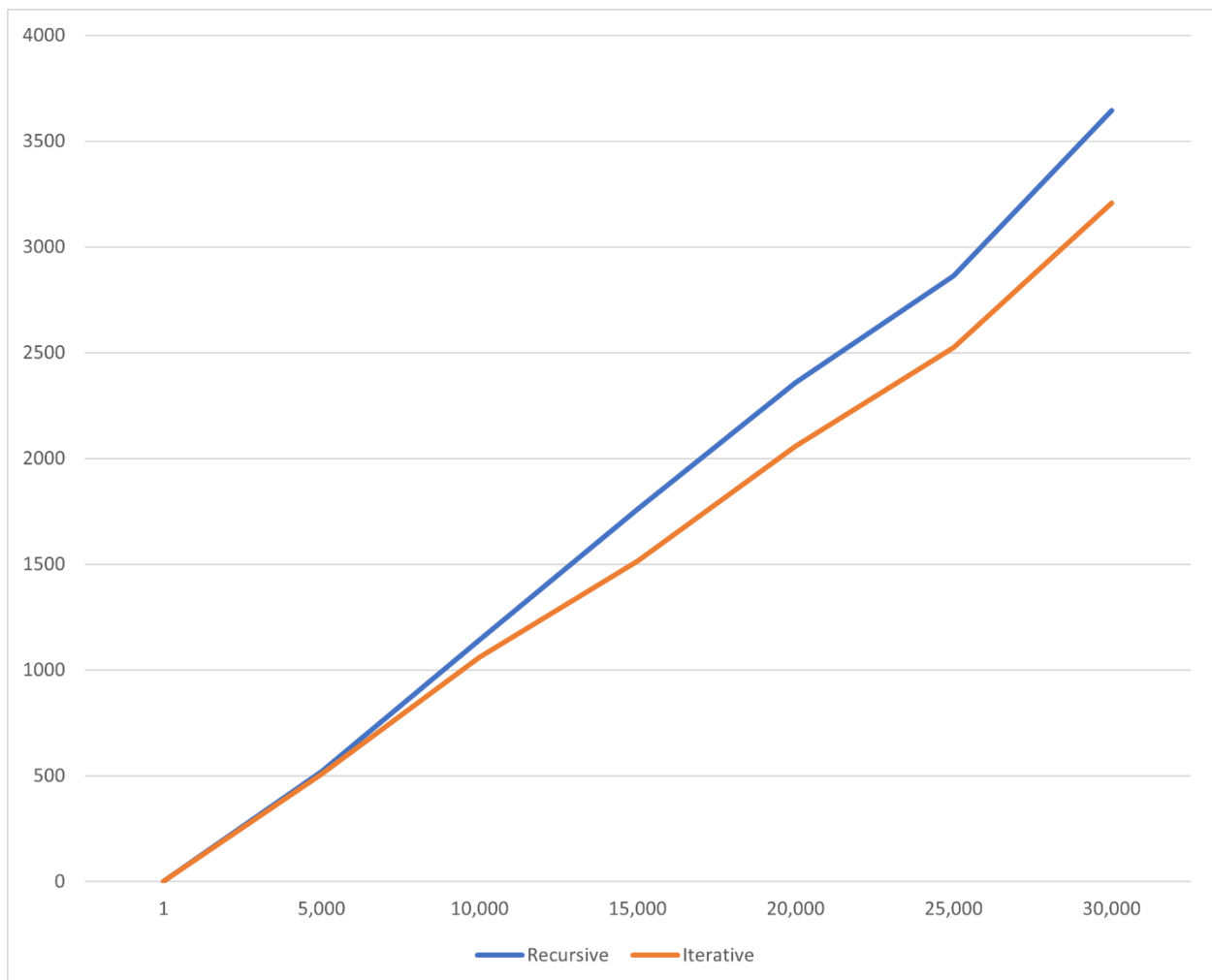


Index Number – 210098R

Name – De Silva APC

In general, the iterative implementation of merge sort is faster than the recursive implementation due to the overhead of function calls and stack management in recursive functions.

Chart -



Data table -

	Time taken in micro seconds	
	Recursive	Iterative
1	0	0
5,000	521	509
10,000	1143	1060
15,000	1554	1751
20,000	2390	2349
25,000	2863	2524
30,000	3391	3180