

Parallel and Distributed Computing [CSE 4001]

Lab Assessment – 1

Execute an OpenMP program to Counts the number of primes between 1 and N.

N	Pi(N), Number of Primes
1	0
2	1
4	2
8	4
16	6
32	11
64	18
128	31
256	54
512	97
1024	172
2048	309

Also use function **omp_get_wtime** to find elapsed wall clock time of the parallel code/program.

Find the optimal number of threads which gives minimal execution time.

N	Pi(N)	Time (1 Thread)	Time (2 Threads)	Time (4 Threads)