OS ASSIGNMENT 2

Report of findings:

- Plot for **Time vs Number of Threads** for various Workload sizes :

    There is a rise in the runtime when we increase the workload size by a noticeable amount of nanoseconds due to computation taking more CPU time when size increases.

- d) (iv) How do the two algorithms compare for the same workload size?

    Findings:
    Since the time quantum is less in the first case, the turnaround time and context switching takes more time than for the second case were quantum is 2ms

- Context switching overhead in different cases :

    Context switching overhead for the two scheduling algorithms are such :

    The context switching overhead for algo with time quantum 1ms is more than the algo with time quantum 2ms. The context switching overhead is more because the switching is more frequent for a smaller amount of time quantum of 1ms than 2ms, so that's why there is more waiting time for the processes and the switching time spent increases the switching overhead hence.