Write up for Question 1

Steps followed:

- I have written a C language program where three threads CountA_thread, CountB_thread, CountC_thread are being created.
- 2. All these three threads invoke their respective count functions countA(), countB(), countC(), that I have created.
- 3. Each of these functions does the job of counting from 1 to 2^{32} .
- 4. I have also used clock_gettime() function for obtaining the actual time ticks that is being used to compute the time it took to complete a function. (clock() instead of gettime() as found it better working)
- 5. Thread for CountA uses SCHED_OTHER scheduling discipline with standard priority.
- Thread for CountB uses SCHED_RR scheduling discipline with default priority
- Thread for CountC uses SCHED_FIFO scheduling discipline with default priority.
- 8. On running the code, timings for every scheduling policy is printed.
- 9. Added histogram for the comparison between different scheduling policies are displayed.