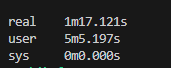
I used the value of N as 100000000 and the commands: time ./trap\_omp1 and time ./trap\_omp2 to compute the time.

trap\_omp1.c using Critical:



trap\_omp1.c using Atomic:



trap\_omp2.c using Reduction:



My laptop has 4 cores. Reduction is very fast in comparison to atomic and critical parallelization.