

Home Task (Lab 10)

1. Calculate the following series with and without open MP and calculate the time in each case. Also, append the time in a log file logg.txt

$$1 + 1/2 + 1/3 + 1/4 + .. + 1/n$$

2. Write a program that calculates the multiplication of two matrices through OpenMP.
3. Compute the Taylor Series through OpenMP.
4. Write a program to ignore SIGKILL and SIGSTOP
5. Modify the code from last week's lab of 'Array Sum' using pthread and semaphore such that each process needs to spend 5 seconds in the critical section i.e. you will set an alarm for it and then exits the critical section using the signal.