Assignment 3 - Pthreads
Parallel and distributed computing

The objective of this assignment is to get you familiar with programming using pthreads.

Write a Pthreads program that implements the trapezoidal rule. Use a shared variable for the sum of all the threads' computations. Use busy-waiting, mutexes, and semaphores to enforce mutual exclusion in the critical section. What advantages and disadvantages do you see with each approach?
What to turn in:

send a tar ball that contains 4 files.
1) The code when using busy-waiting.
2) The code when using mutexes.
3) The code when using semaphore.
4) Text file that discuss the advantages and disadvantages with each approach.