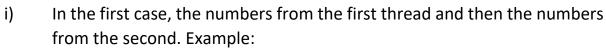
Assignment 4

1 Exercise with Threads

Write a program that creates two threads. Thread 1 must print the **even** numbers (from 2 to 10) with the message: *th1:number*. Thread 2 must print the **odd** numbers (from 1 to 9) with the message: *th2:number*.

The program must print the numbers:



th1: 1

th1: 3

th1:5

th1: 7

th1:9

th2: 2

th2: 4

th2:6

th2:8

th2: 10

ii) In increasing order by alternating the two threads. Example:

th1: 1

th2: 2

th1:3

th2:4

th1:5

th2:6

th1: 7

th2: 8

th1:9

th2: 10

<u>Additional Information</u>

https://www.geeksforgeeks.org/mutex-lock-for-linux-thread-synchronization/

https://pubs.opengroup.org/onlinepubs/007908799/xsh/pthread.h.html

https://www.thegeekstuff.com/2012/05/c-mutex-examples/

http://www.cs.kent.edu/~ruttan/sysprog/lectures/multi-

thread/pthread_cond_init.html