**Home Assignment 1**

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ANSWER:

* child sees i=0  
  parent sees i=0  
  child sees i=1  
  parent sees i=1  
  child sees i=2  
  parent sees i=2

1. pthread.h header file should be included

While(1) in the program makes the program run infinitely should be removed

Intead of exit replace it by return

Output:

Parent says a:1

Id : 1a:2 b:1

Id : 2a:3 b:1

Thread 1 and 2 complete

1. Fom the kernel's perpective, each process has its own address space, file descriptors, etc and **one** thread of execution**.** To support multiple threads at user-level,  the process contains code to create, destroy, schedule and synchronise user-level threads - which can be thought of as mulitplexing many user-level threads onto the single kernel thread, all managed within the process. The scheduler can run any arbitrary scheduling algorithms, and is independent of the kernel's scheduler.

* M user level threads should be greater than n kernel level threads i.e m>>n

because users level thread programs need not require extra checking around blocking i/o to avoid it - i.e. other ready threads within the process can be scheduled if the running thread blocks on a system call or page fault.