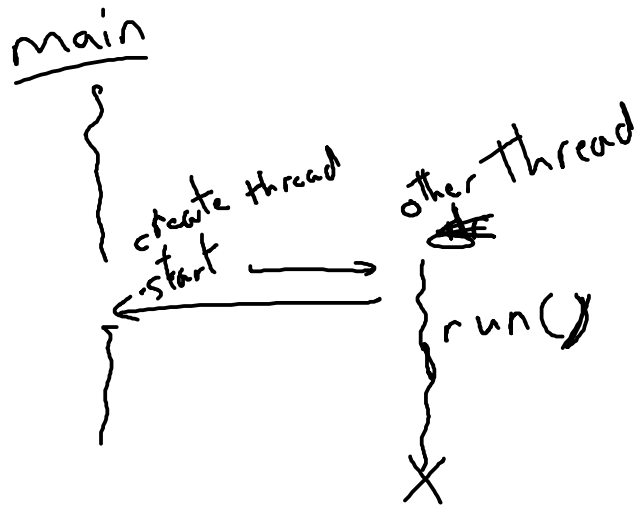


Thread functions/methods



t. join()

current thread
will wait for t
to complete

yield() : give up CPU

running → ready

sleep(time) : stop running for
an amount of time

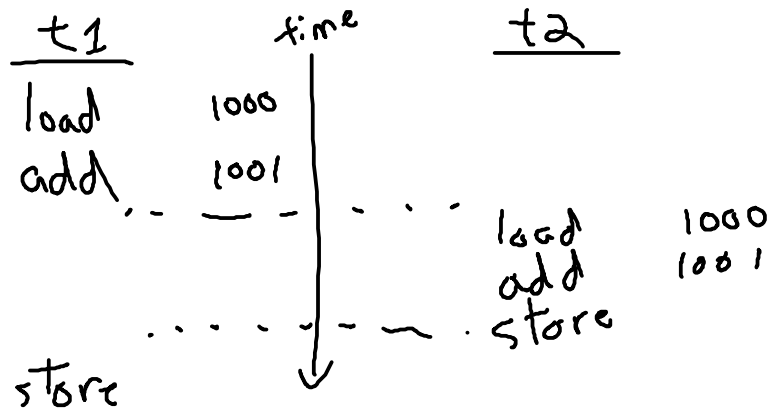
https://cs.gettysburg.edu/~cpresser/cs324/notes/C_ThreadProblem.c

<https://cs.gettysburg.edu/~cpresser/cs324/notes/>

Race Condition / Data Race

$X++;$ a. load x to register
 b. add 1 to x in register
 c. store register value to x

$X =$ $\begin{array}{r} 1001 \\ + 001 \\ \hline 1000 \end{array}$



Critical section / Region problem

- code that accesses shared resources
- keep these small
- limit to shared resources