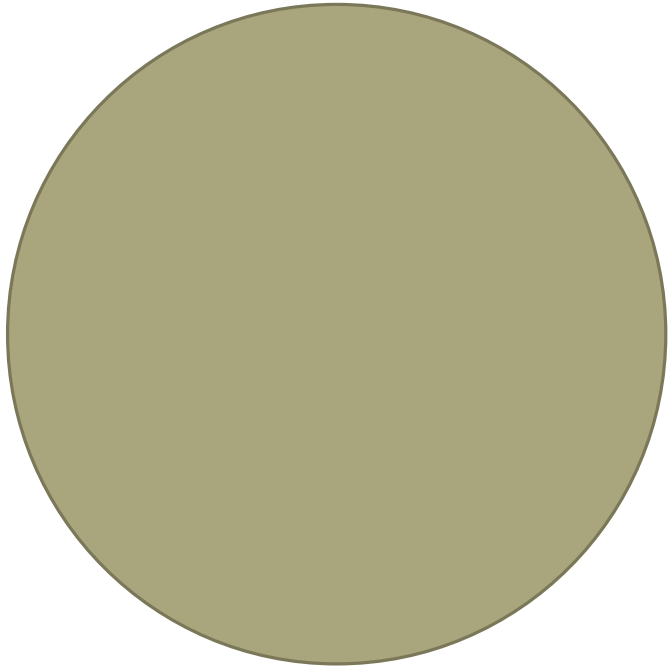


THREAD PROGRAMMING

USING PTHREAD

PROCESS

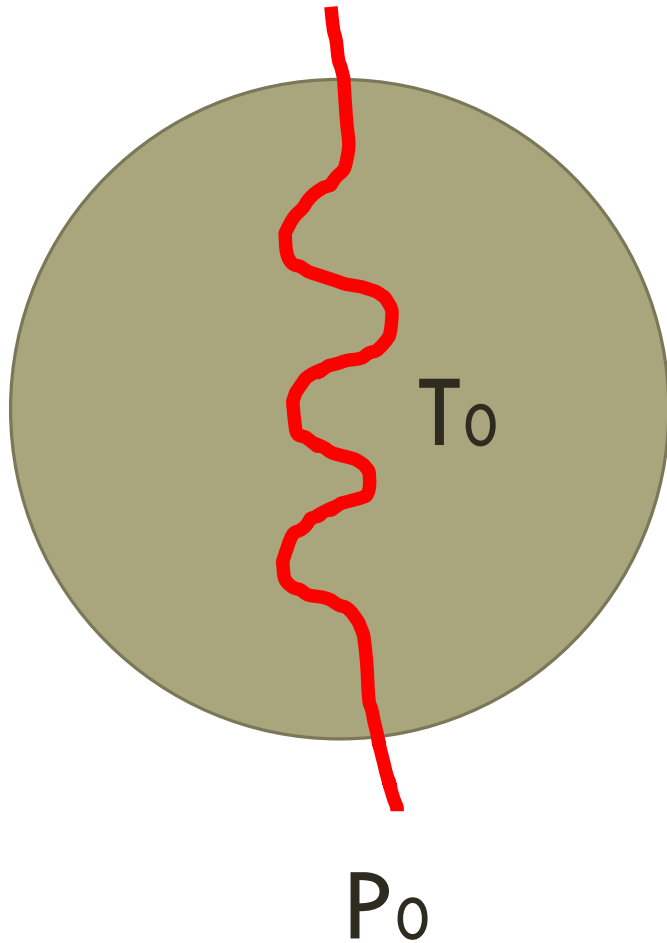


P_0

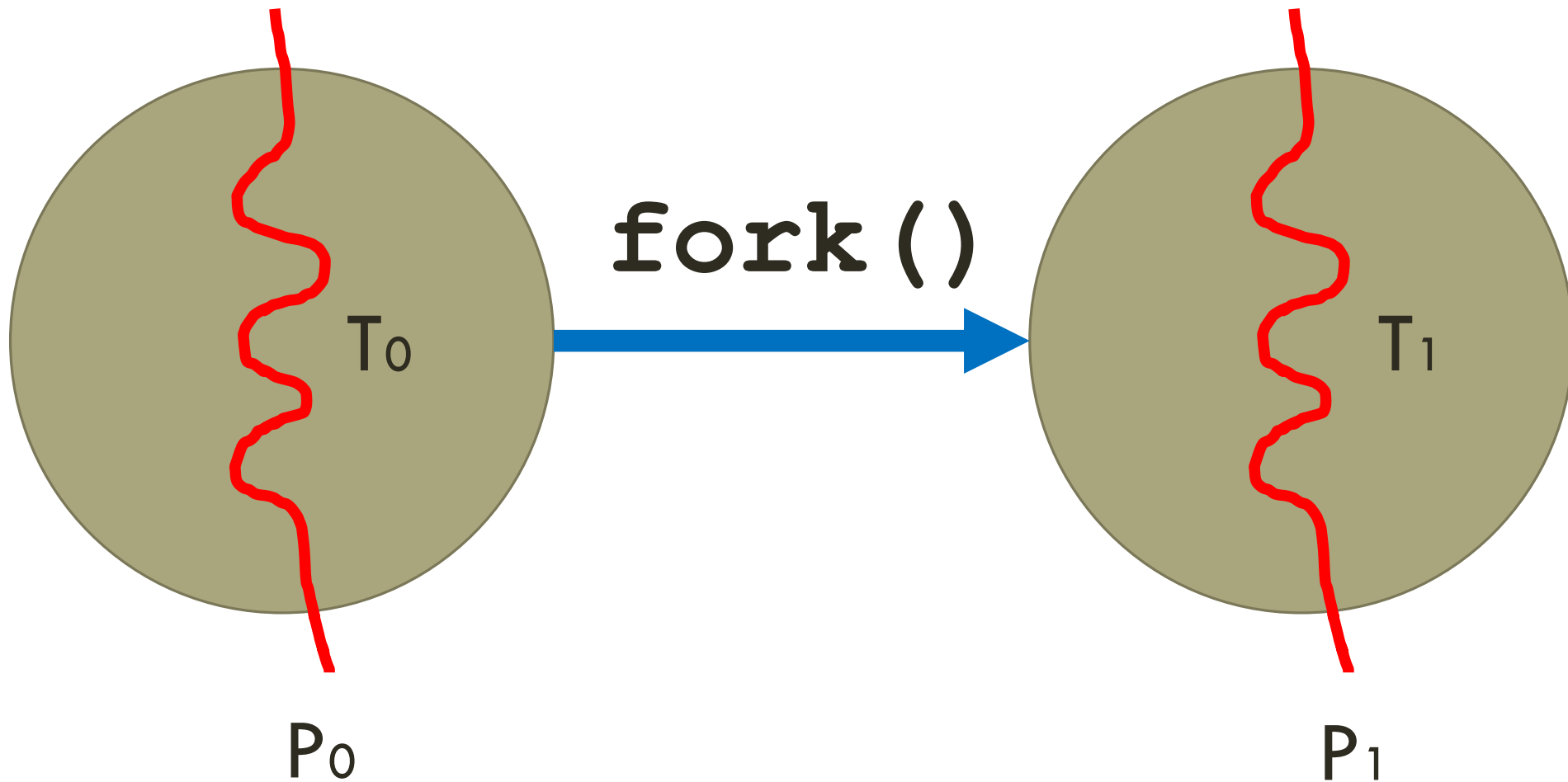
THREAD



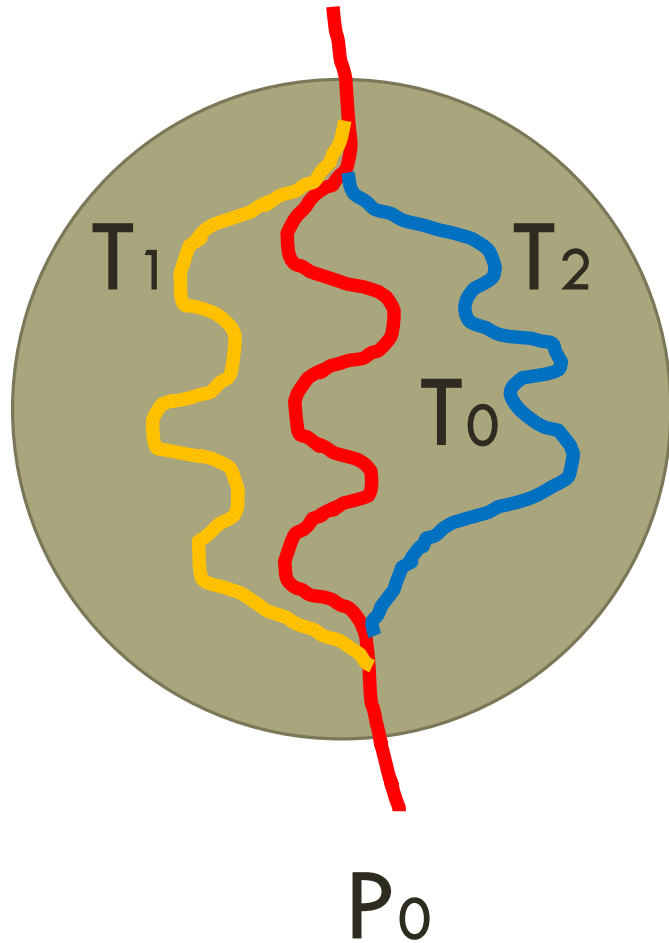
THREAD INSIDE A PROCESS



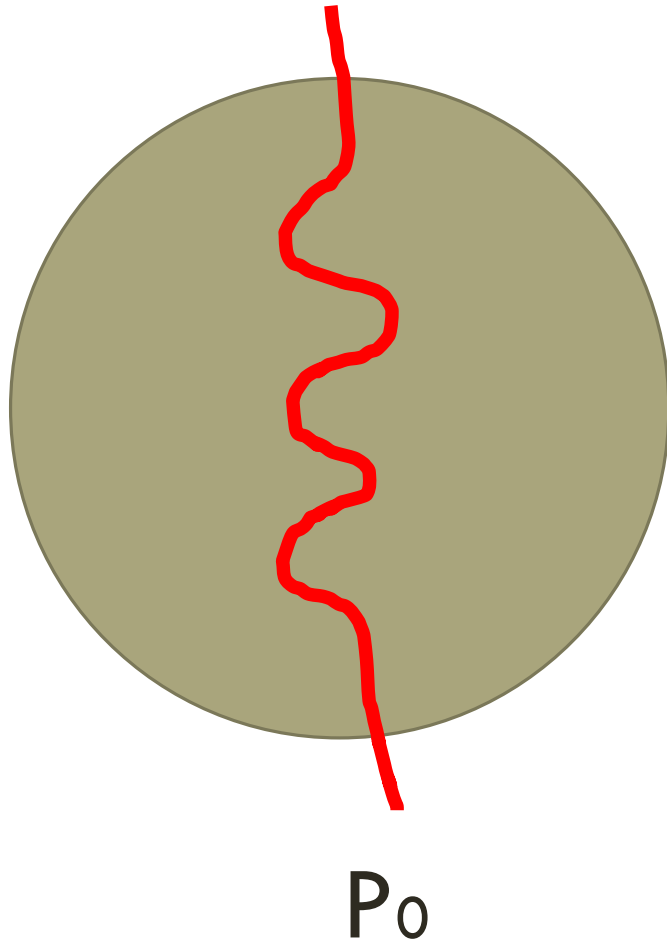
PROCESS



A PROCESS CAN HAVE MULTIPLE THREADS



THREAD



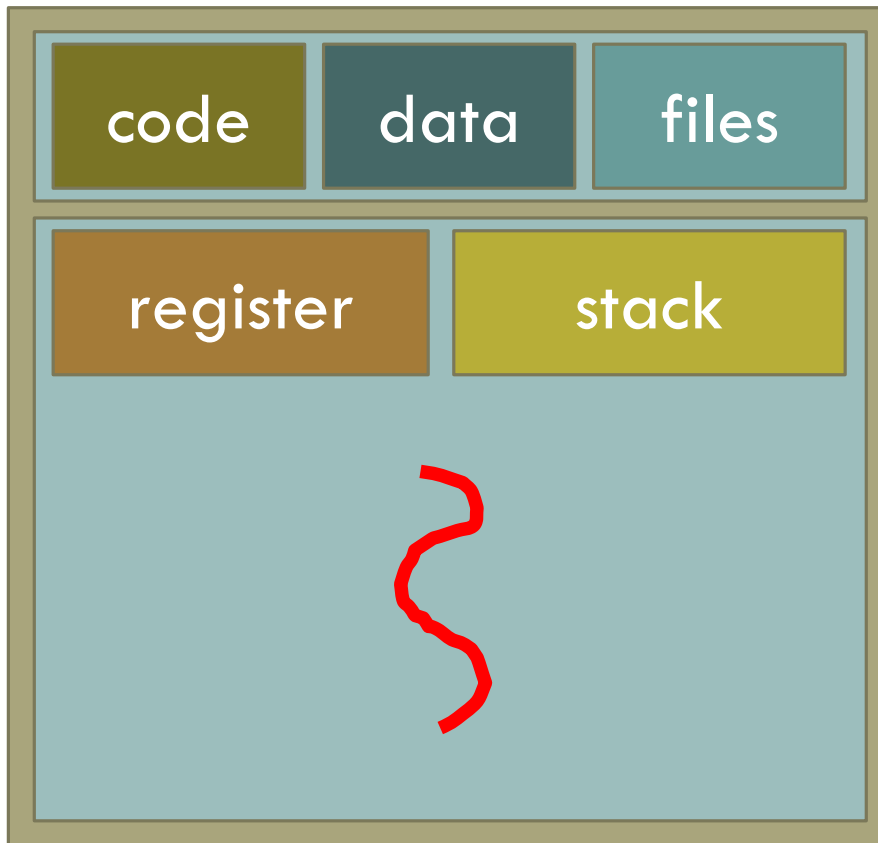
basic unit of CPU utilization

belongs to a
certain process

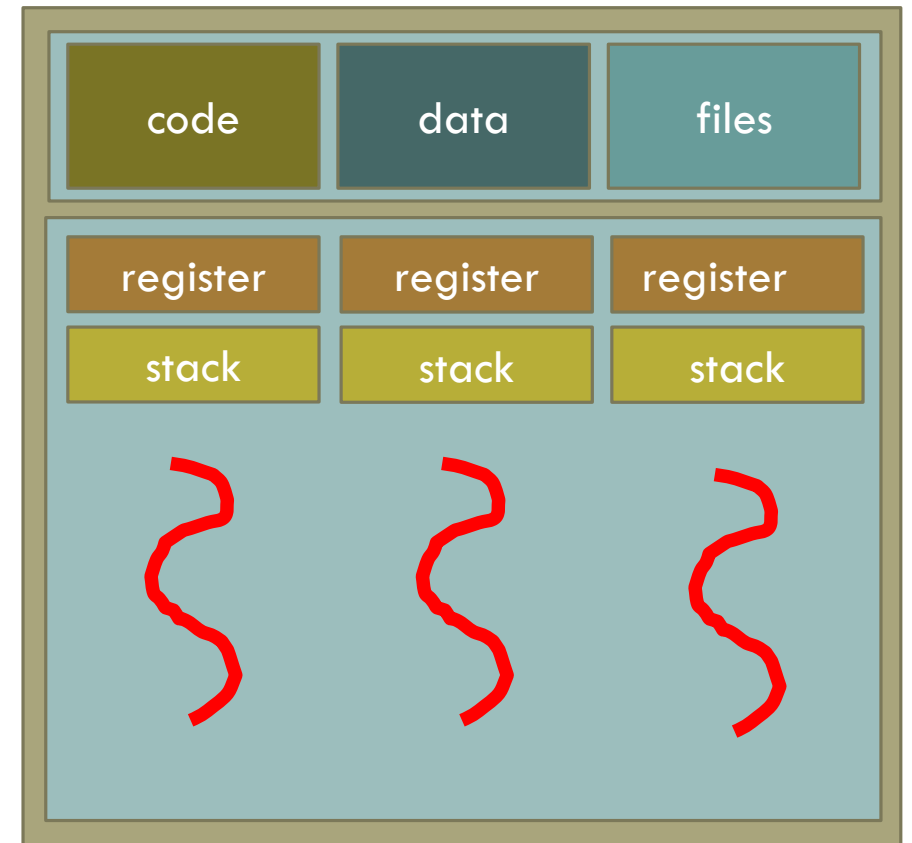
lightweight
“process”

shares resources with other
threads belonging to the same
process

SINGLE-THREADED PROCESS



MULTI-THREADED PROCESS



THREAD LIBRARIES

Pthreads

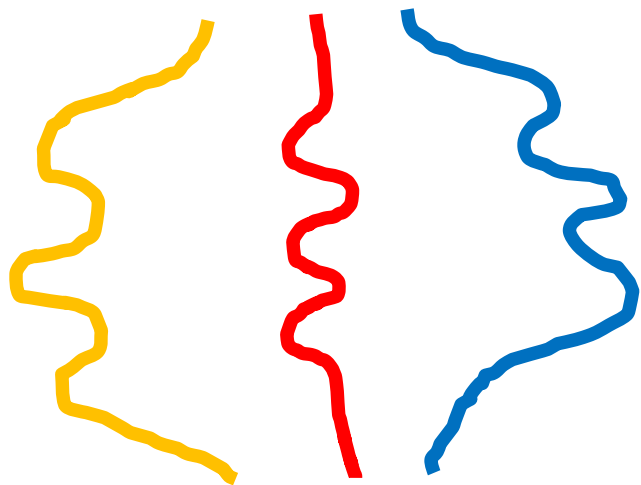
Win32

Java

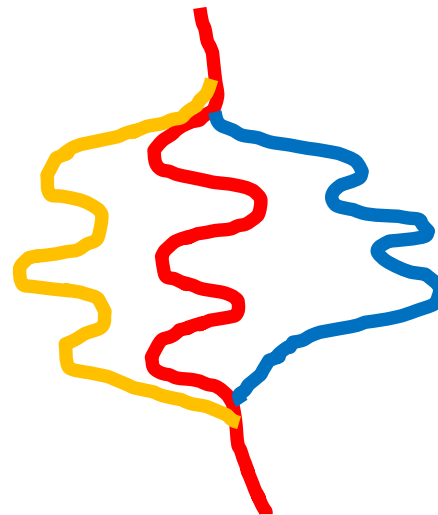
THREAD PROGRAMMING USING PTHREADS

Basic Thread Operations:

Creation



Joining



Termination

THREAD PROGRAMMING USING PTHREADS

Basic Thread Operations:

