

1 Parallel Programming Models (PM)

The PM has to talk about the language, because they have different levels of abstraction (Java vs. Assembly)

Quick Introduction

Process: Program in execution processed by processor

It can have 3 states: running, starting, waiting, terminated

For a waiting process it is saved where he will continue execution

Processor has Program counter to know which process' turn is next

There is 1 per CPU

Thread: To do things parallel in a process

If 1 thread does IO-Block, the whole process is blocked, except if you use kernel threads