Agenda Processes & Threads Threaded program in Jova concerrency is parallelism context switching 4 compde executable download & Instale file RAM 178 2 1 TB 3K-SK 843 2.24H2 RAM 2.2 × 10 9 ens/ sec computer Architecture

Process: program in execution

PCB (Process Control Block)

data structure which stores the

complete info about a process,

class Process Control Block {

pid

list < variables >

memory detalls

priority

program counter -> current une

Call stack of execution.

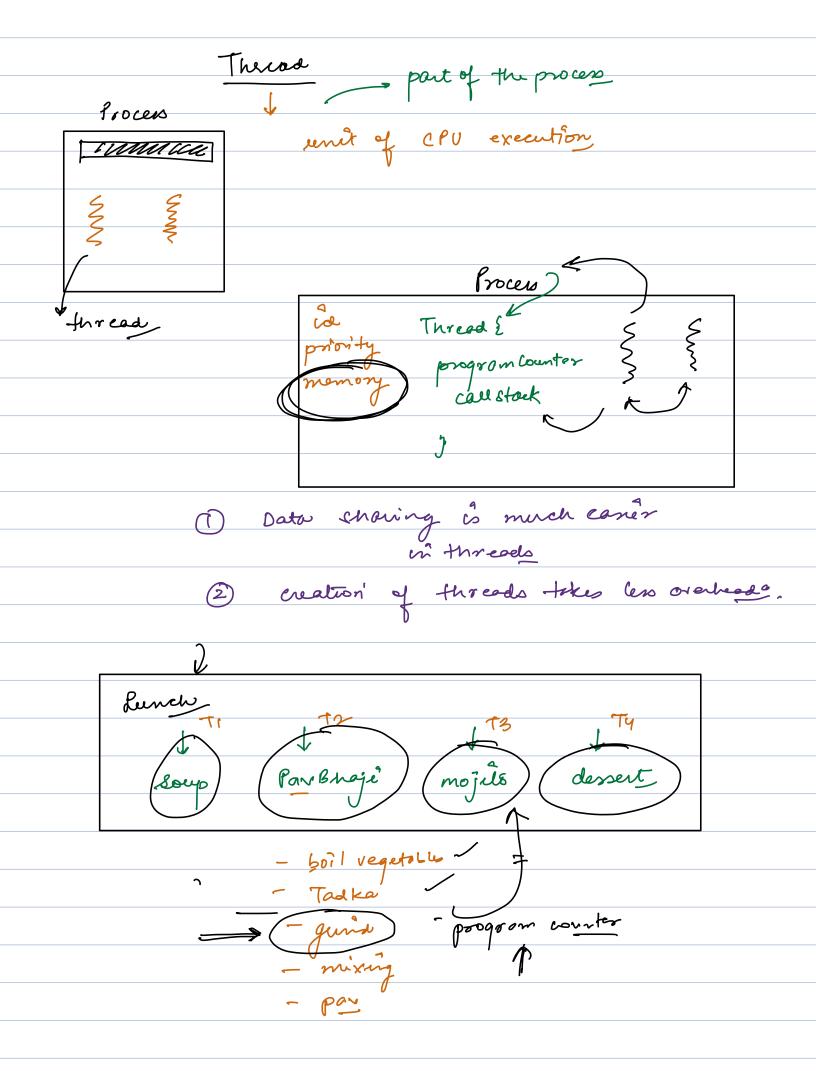
MS word

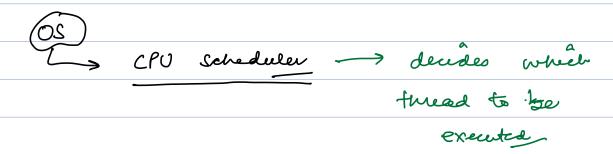
I/O consumi input: Pl

displaying the output: P2

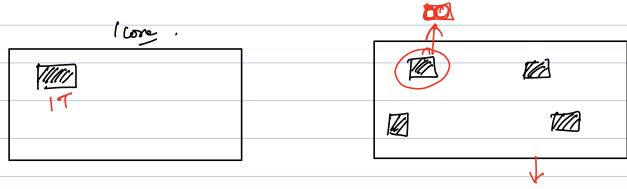
autosavery: P3

autorrect - P4





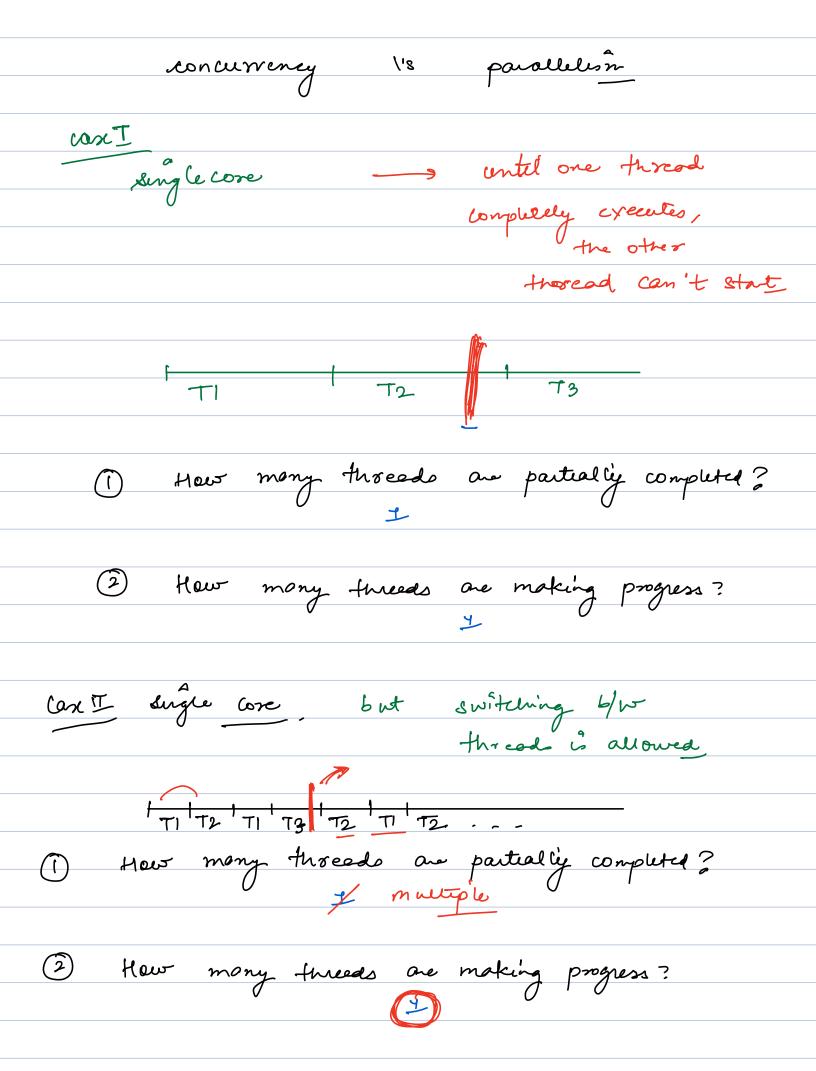
single lore vs multi-core

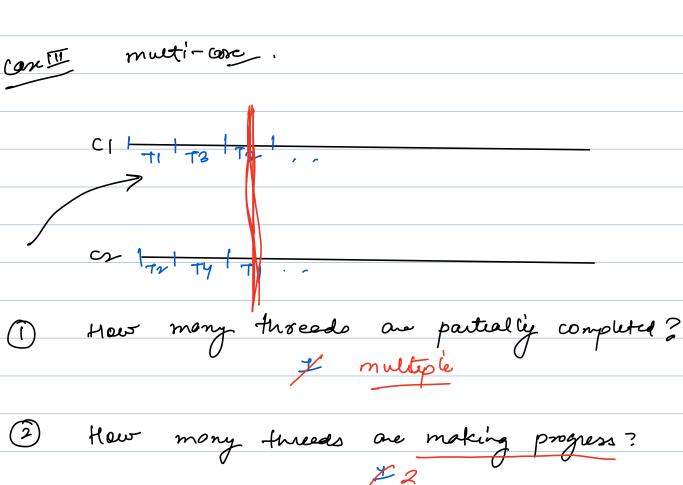


Each core can execute

one thread at a paroular moment

i3 - dual
i5 - quad - 2 threads
i7 - quad + hyperthreading





mony threeds are making progress?

\*\* 2

\*\* parallelism\*\*

context swetch

T1 12 T3 ....

- a+6 = C
- a+6 < c

TI \_\_\_\_\_\_ T2

Descriptions state of TI Time

Descriptions state of TI Time

Hoppiners Bod Good Syrient

not context switches

(0:30 pm)

Java: multi-threaded program Task y