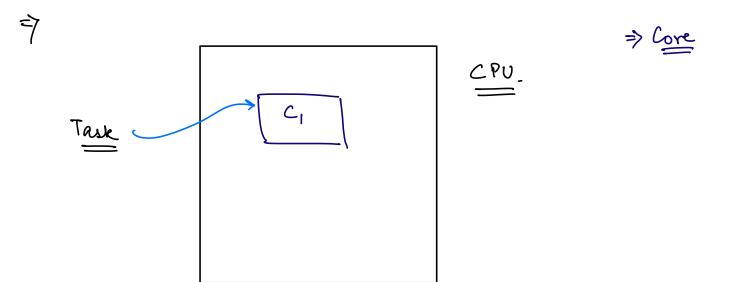
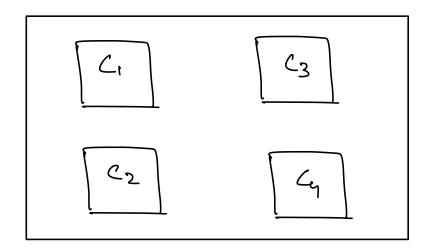
Agenda.

- -> Intro to Multiturading
- + tillo world from new thread.
- -> brint nois from 1 to 100
- -> Executor francusk
- Thread Pool



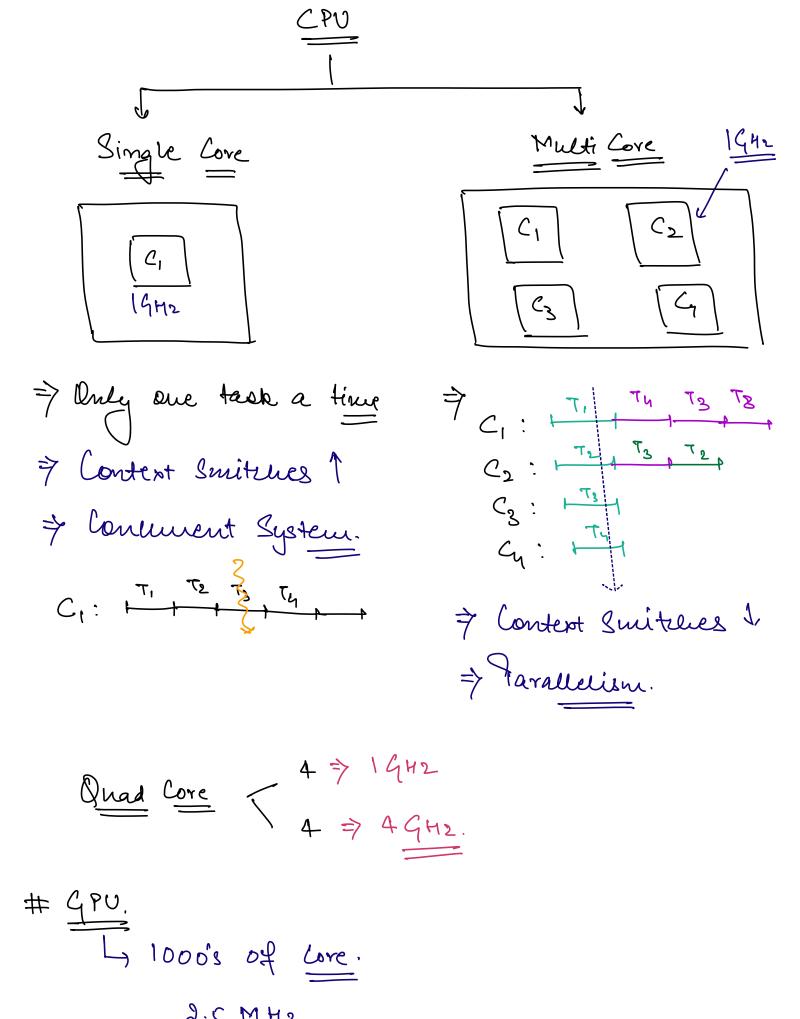
? CPU executes the task with the help of Cores



$$T1 \Rightarrow 10^6$$
 operations.  $T2$ 
 $10^9 \Rightarrow 1 \sec T3$ 
 $1 \Rightarrow \frac{1}{10^9} \sec T4$ 

$$10^6 \Rightarrow \frac{10^6}{10^9} sec$$

=> Context Smitching.



2.5 MH2

# Journload & Install an Appr.

Executable file
exe

- ·aph
- Cpu App HDD-RAM. (Volatile)

CPU Can't directly talk to HDD, because of the speed difference.

MS Word Pocument Processing App

- Auto save

- -> Spell Checker
- -> Grammar Check
- Auto Enggestion

I ma teaching multitureeding in JAVA.

> Parallely.

int a = 10; int b = 20 int c = a+6; frut(c) Program (HDD)

OS

RAM

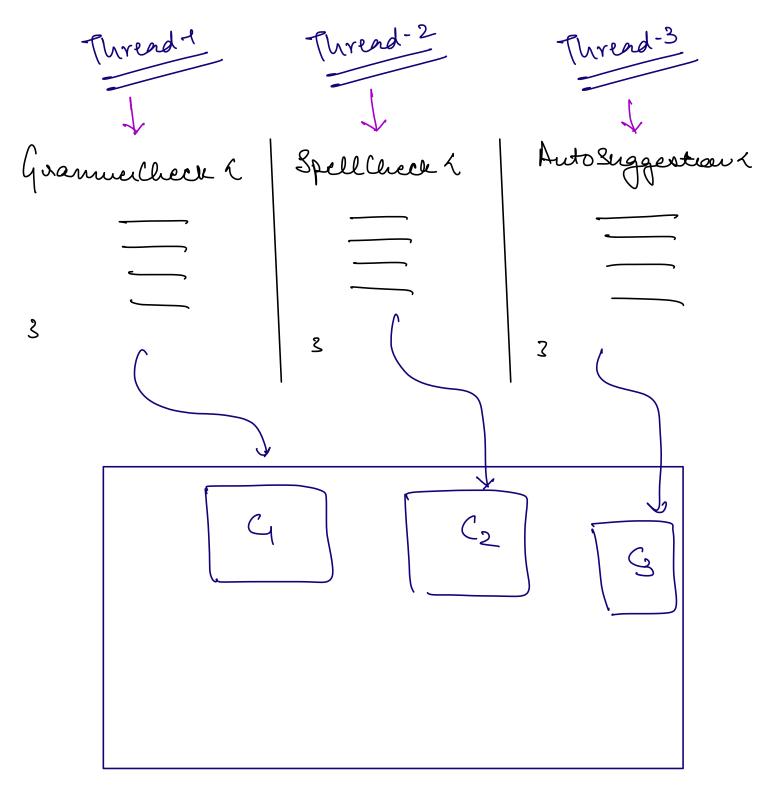
CPU

Process.

Program in execution.

Auto Save Check Spell Check Siggestion

Quad Core



=> JAVA program.

r fint (Hello World)

Main Huerd

Lo default Huerd.

# Irint Hello World from a new thread.	
Steps.	
I) Create a task Class that we want to exe in a separate thread.	rute
Class Helloworld Printer 1	
3	
II) Make the task Clais implement Rumal interface.	sle
Class Helloworld Printer implements Rumable	<u>)</u> K
3 Interfa	
(II) Override the run () method	
Class Helloworld Printer implements Runnable	C
Jublic void runer	
Sout ("Hello World"):	

IV) Create a thread object assign the task to that. Helloworld Printer task = new Helloworld Printer (); Thread (t) = new Thread (task); 2) Start the fluead. +· start (); 2001