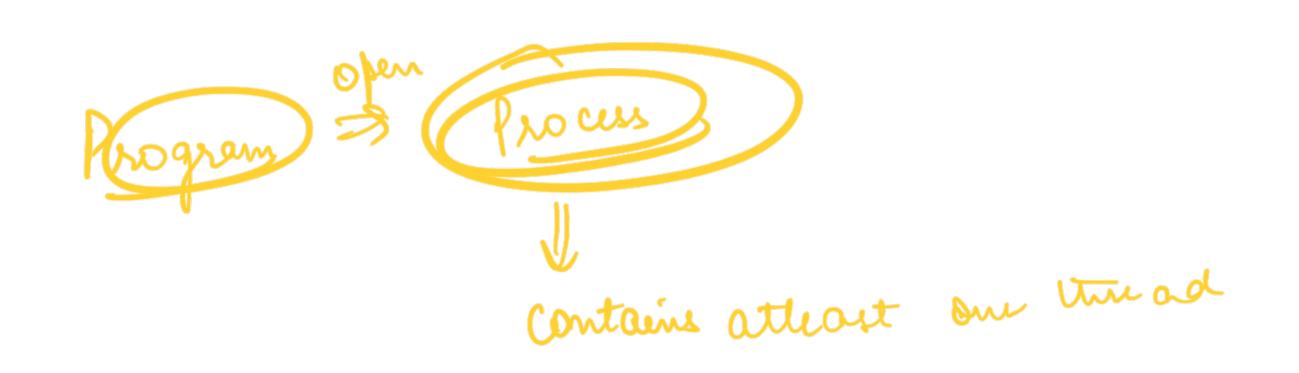
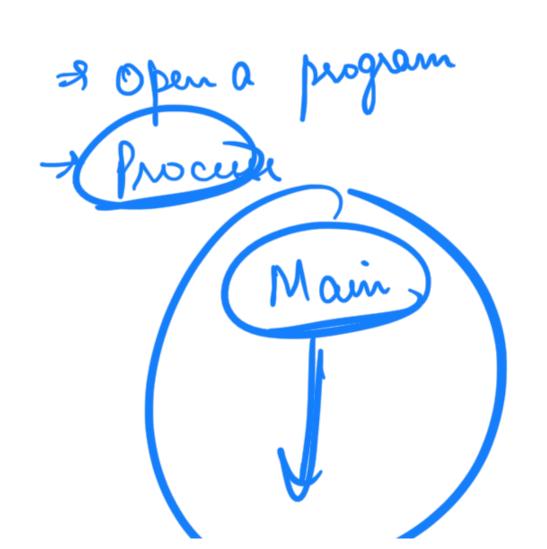
Doncurrency -> Threads is mays to create thready 4 Runnable G Enecutor = 4 (Thread looks Thursde returning data Go lang Python ytur Cs future 4 Callabers JOX 3 Implement Merge Cort weing A. Or Underio

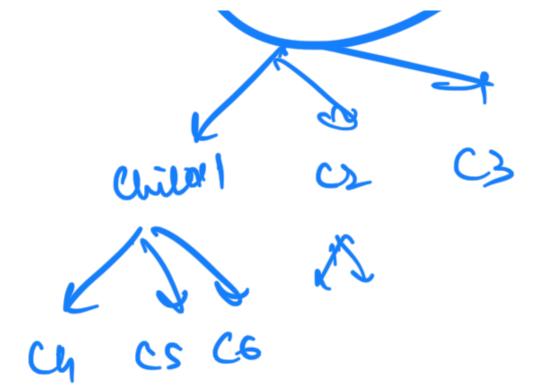
Mmm -----> Adder / Cultractor Roblem (How threads share data) & probleme due to sharing data

Threads)

Basicumet of execution in a software cystem



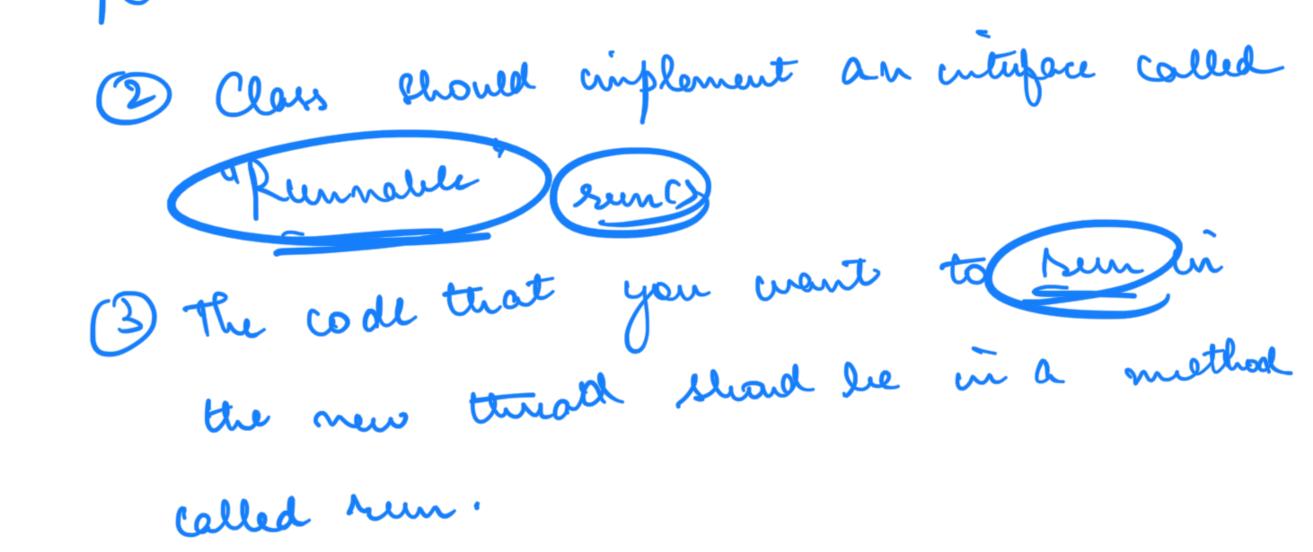




How to create a thread

Hygur went to write lane code that should seen in a separate thread

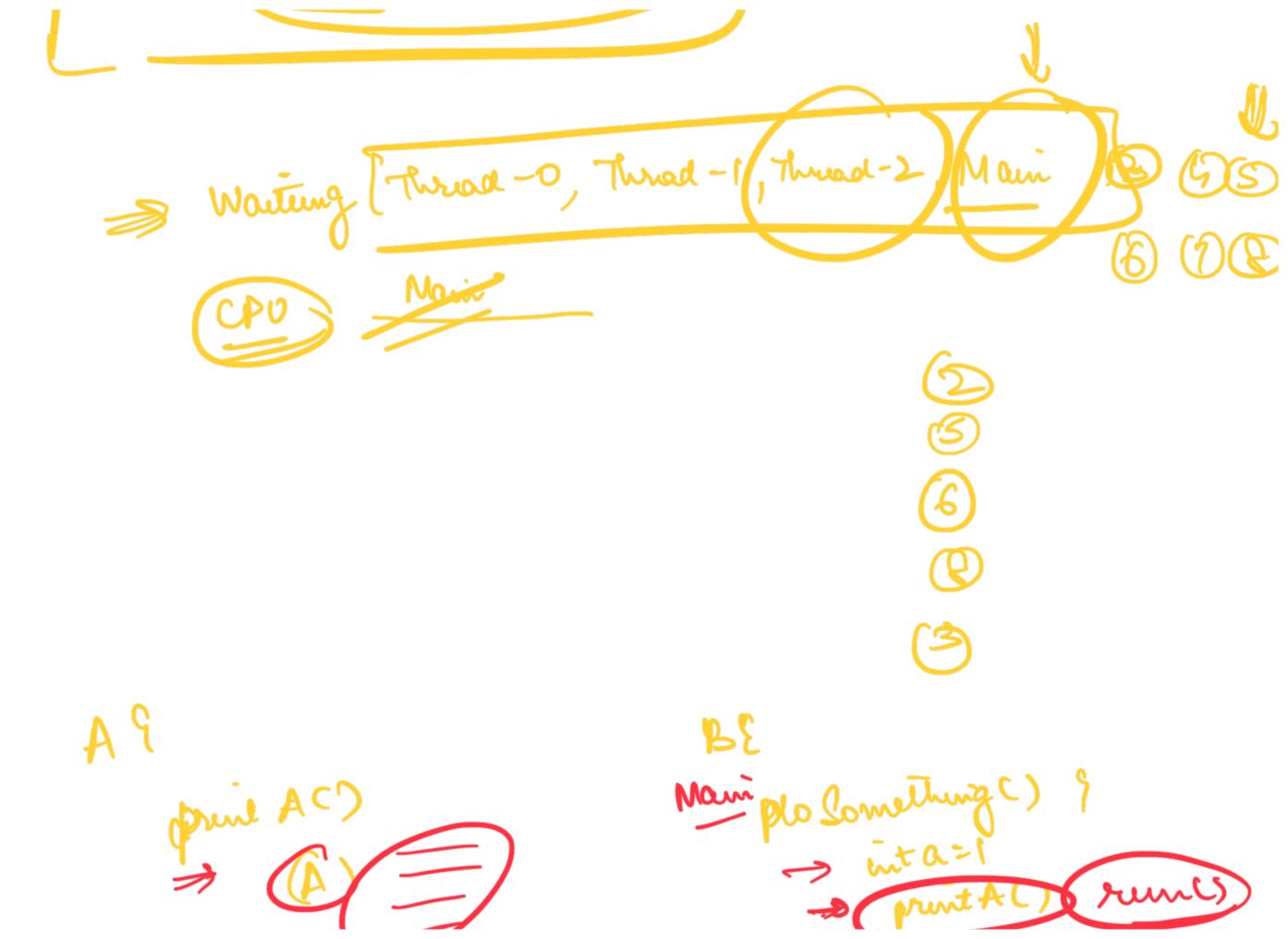
Man Create a class.



Jor i=0; re100; ++i

30 = Throad t=

t- exart()



hidden method → Orating a . start () -) assigning three to che Thread (+2 new Harrad (Rumath);

- D'ate a new Clars => A,
- De class should implement Runnable
 A implemente Runnable
- Diride run() Method

 > Coole that I want to runni

 a separate thread
- Genete an instance of thread and call startes

Thread t = new Thread (new Al)

t. start()

To pass any parameters, pass via constructor of the Thread.

If you directly call runc) code isn't multitue



The state of the s

Guen a sentence as an imput String input Print every character et survig via

Thread I Runnable . run() - runc) augato UD Creates Mem . exact ()

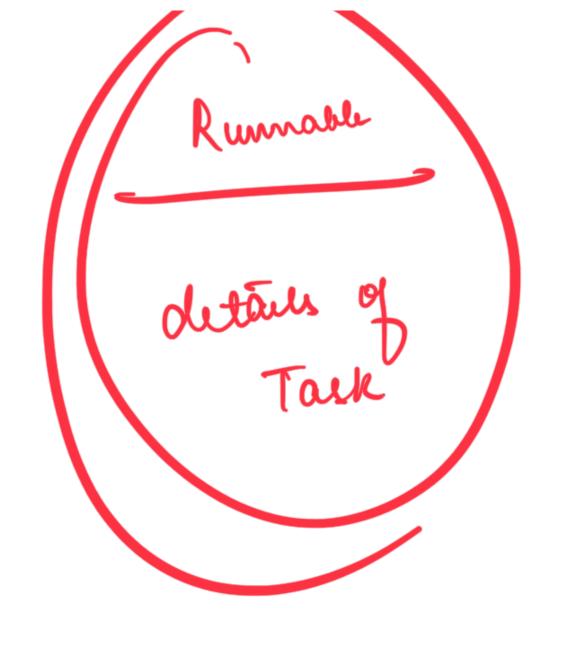
My main code a responsible for:

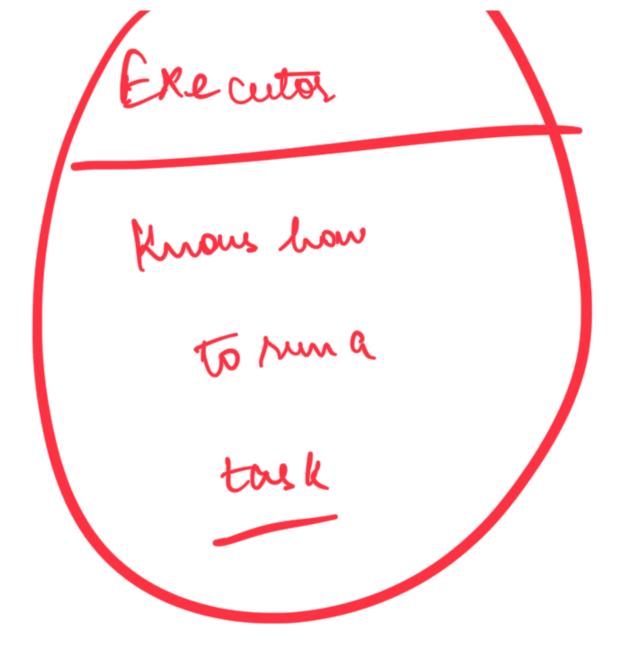
1 Deciding what code should hum
in a separate thread

Thurming the thread

Every thread can be considered as an independent task

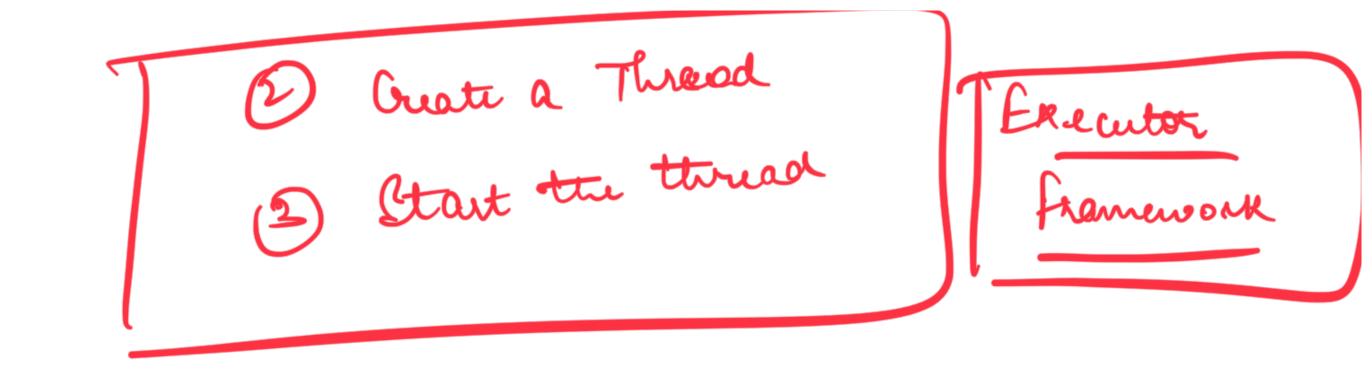
Your code should just create the tacks.





Older Approach

D'atte a Runnable Mark



Creating a process is much more expensive than creating a thread but threads also do take time

Executors: They don't create a new Thread

for every task. Instead they create a new Thread for every worker.



