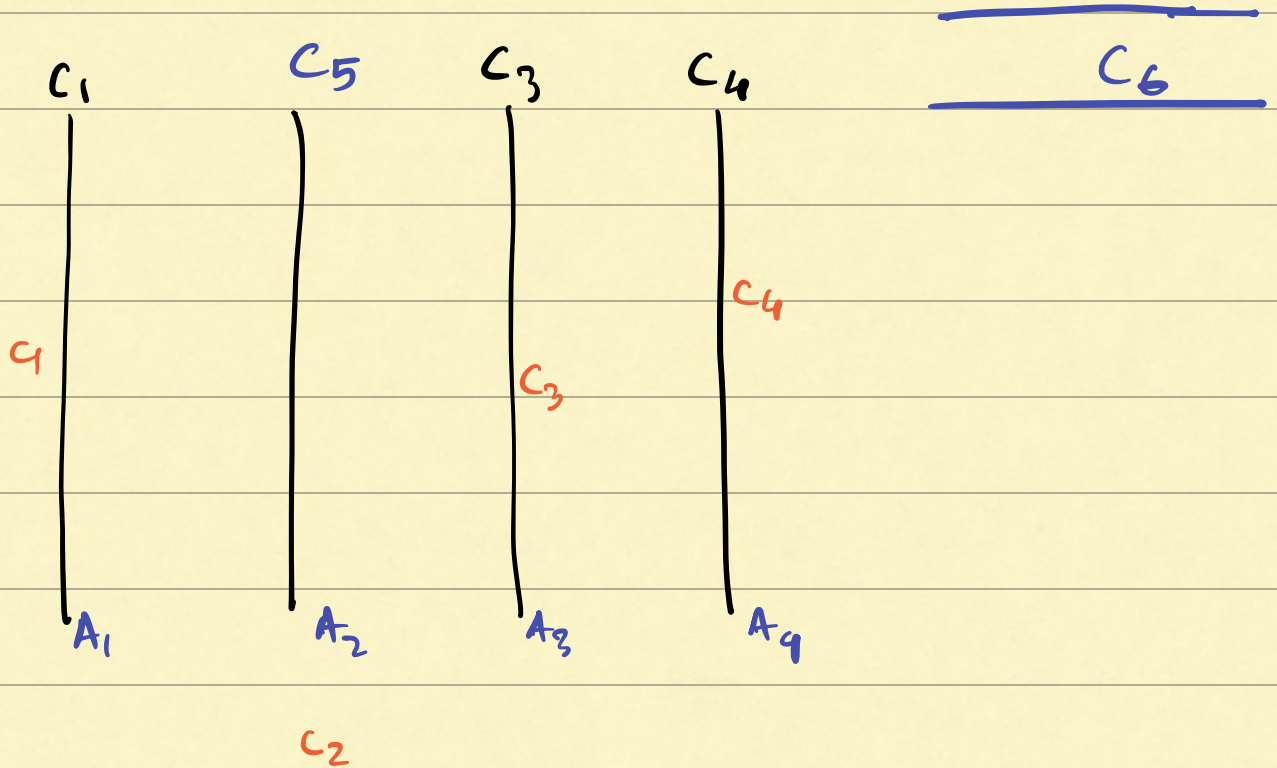


Agenda:

- Executors
- Callable (Runnable)
- Multi thread Merge Sort.

Executors:



1-100 → Each number we created new thread

Thread Creation comes with some overhead.

Callable:

Runnable \rightarrow run

void run();



No return

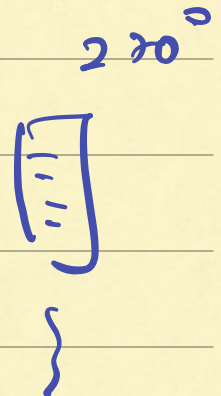
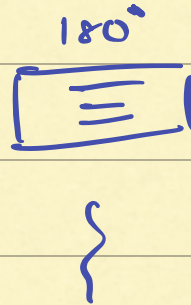
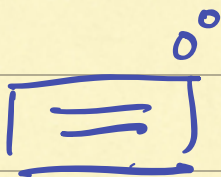
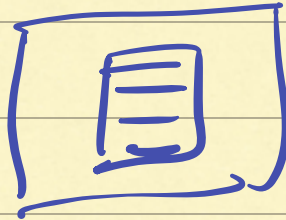
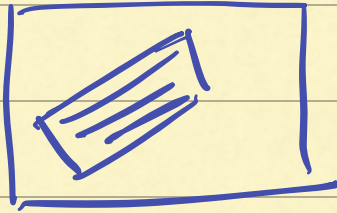


no parameters



solved

class variable



Generics

implement Callable <String>



T

call();



String

Integer

Map

Array.

class Soan implement Callable <Integer>

Merge Sort

8 1 9 2 6 7 5 3

(1, 2, 3, 5, 6, 7, 8, 9)

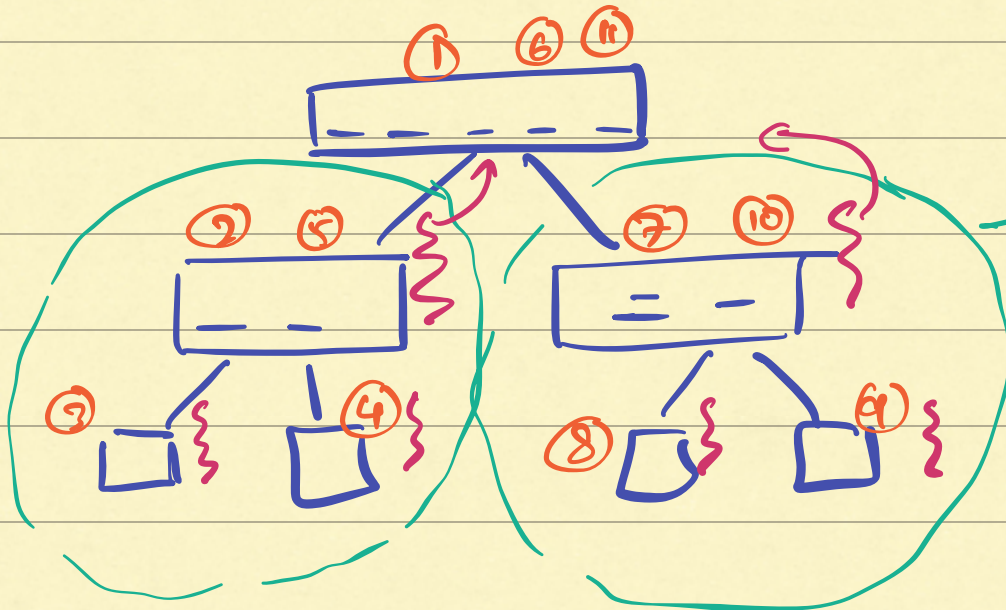
(1, 2, 8, 9)

(3, 5, 6, 7)

(1, 8)

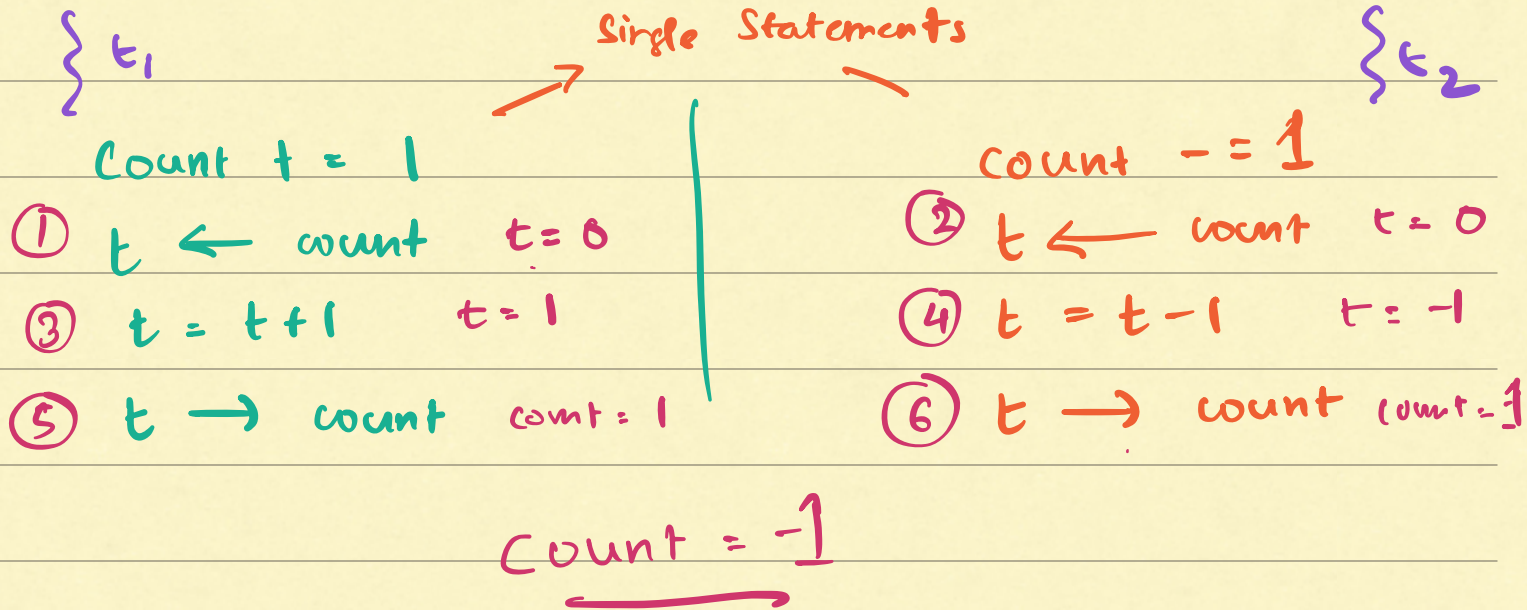
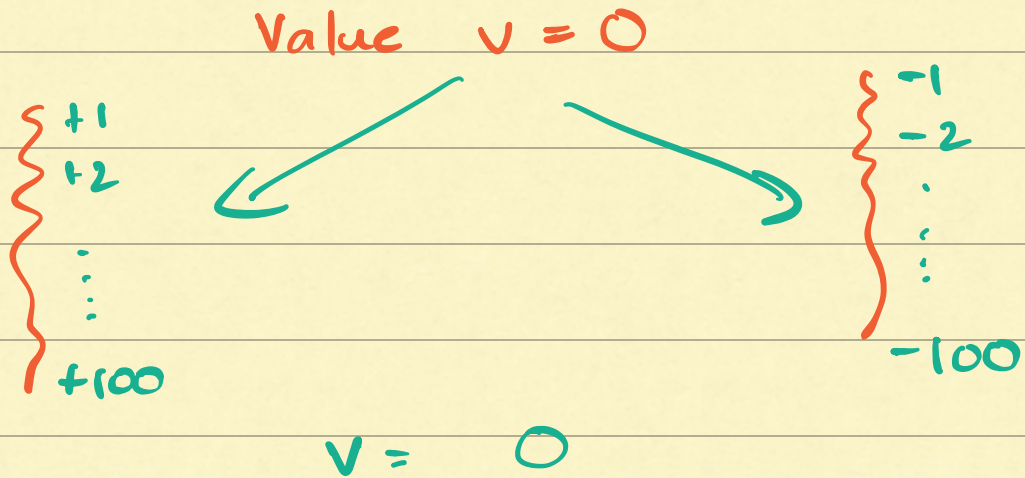
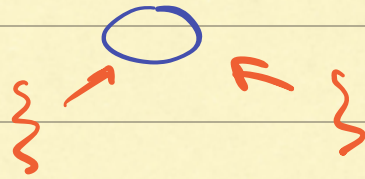
(2, 9)

(3, 5)



parallelly

Synchronisation Problem



Reasons for this to happen :

1. Critical section
2. Race condition
3. Preemptiveness

} next class.