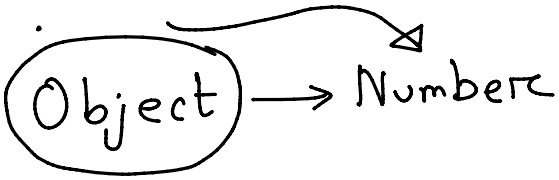
Class 04

Tuesday, October 12, 2021 8:54 PM

Hashing



a	1
b	2
c	3
z	26
A	27

$(19 \times 26^4) + (1 \times 26^3) + (4 \times 26^2) + (9 \times 26^1) + (11 \times 26^0)$

8703069

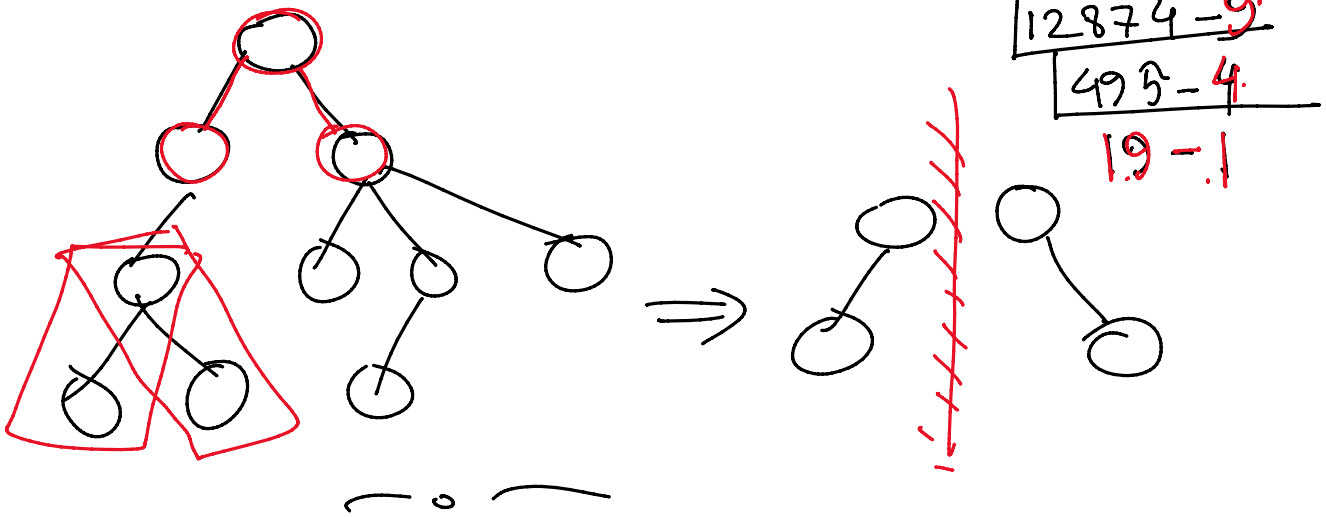
8703069

334733 - 11

12874 - 9

493 - 4

19 - 1



OS → Thread / Process

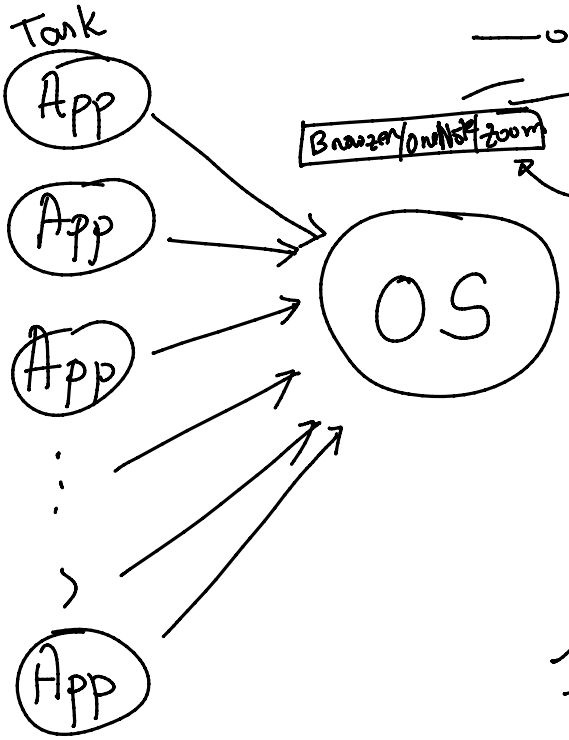
Process

1) Execution of a program.
2) Not lightweight
3) Takes more time in creation & termination.
4) Isolated

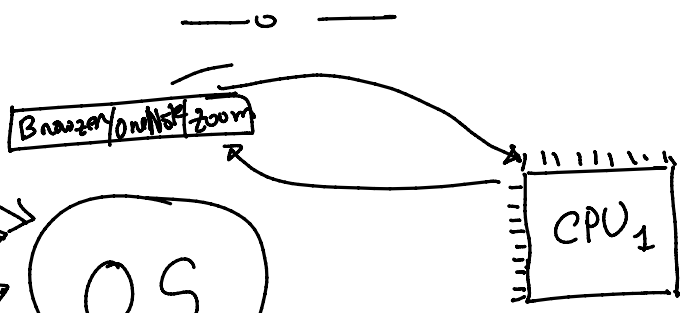
Thread

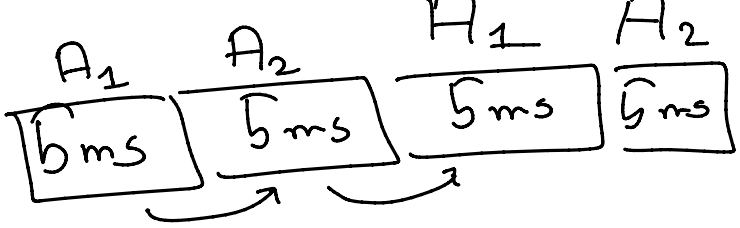
1) Segment of a process
2) Lightweight
3) Takes less time in creation & termination.
4) Not isolated.

4) Isolated



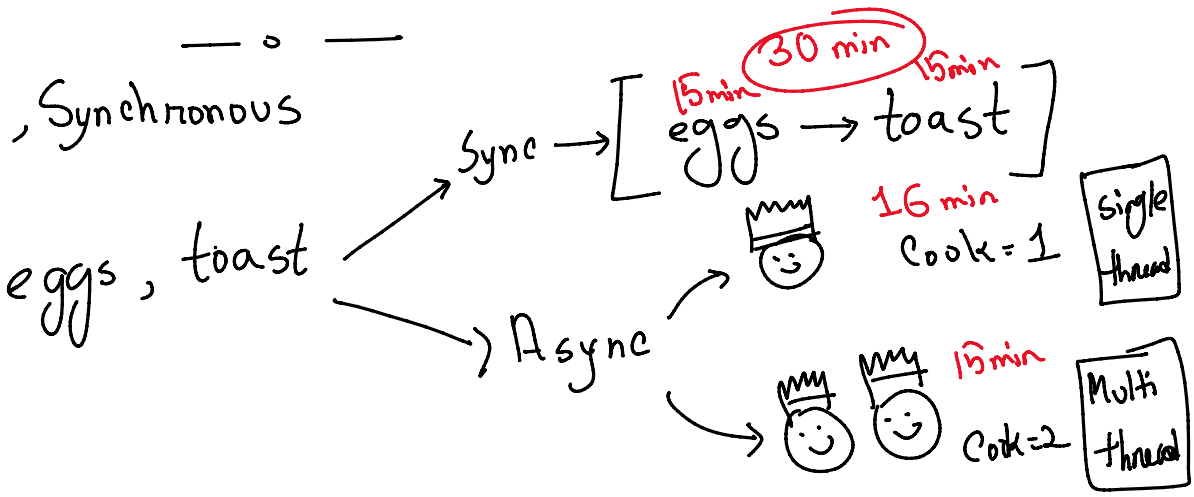
4) Not isolated.





1 s → 200 বার context

Asynchronous, Synchronous



1 - 100

Sync

1	✗
2	✓
3	✓
4	
5	
⋮	

Async - Multithreaded

1	34	67
⋮	⋮	⋮

$$5 : 33 : 66 : 100 = \frac{33}{x} + \frac{66}{y} + \frac{100}{z}$$