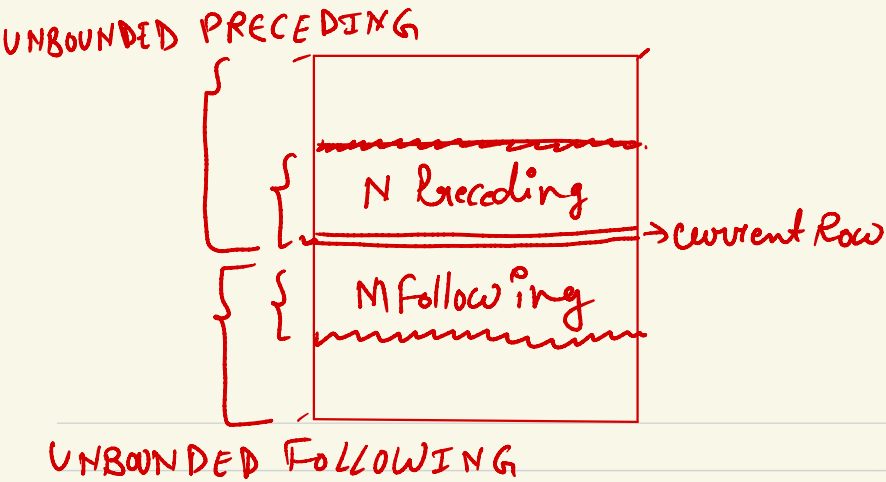
Frame Clause in window functions

- ROWS BETWEEN (fixed number of rows)
- RANGE BETWEEN (based on condition)



Common table expression (With Clause)

CTE
- Iterative CTE (for reusability i.e; (just like temp table)
- Recursive CTE { to solve queries for hierarichal relationship kind of data }

Write a python function to calculate, factorial of a given number.

$3! = 3 \times 2 \times 1$

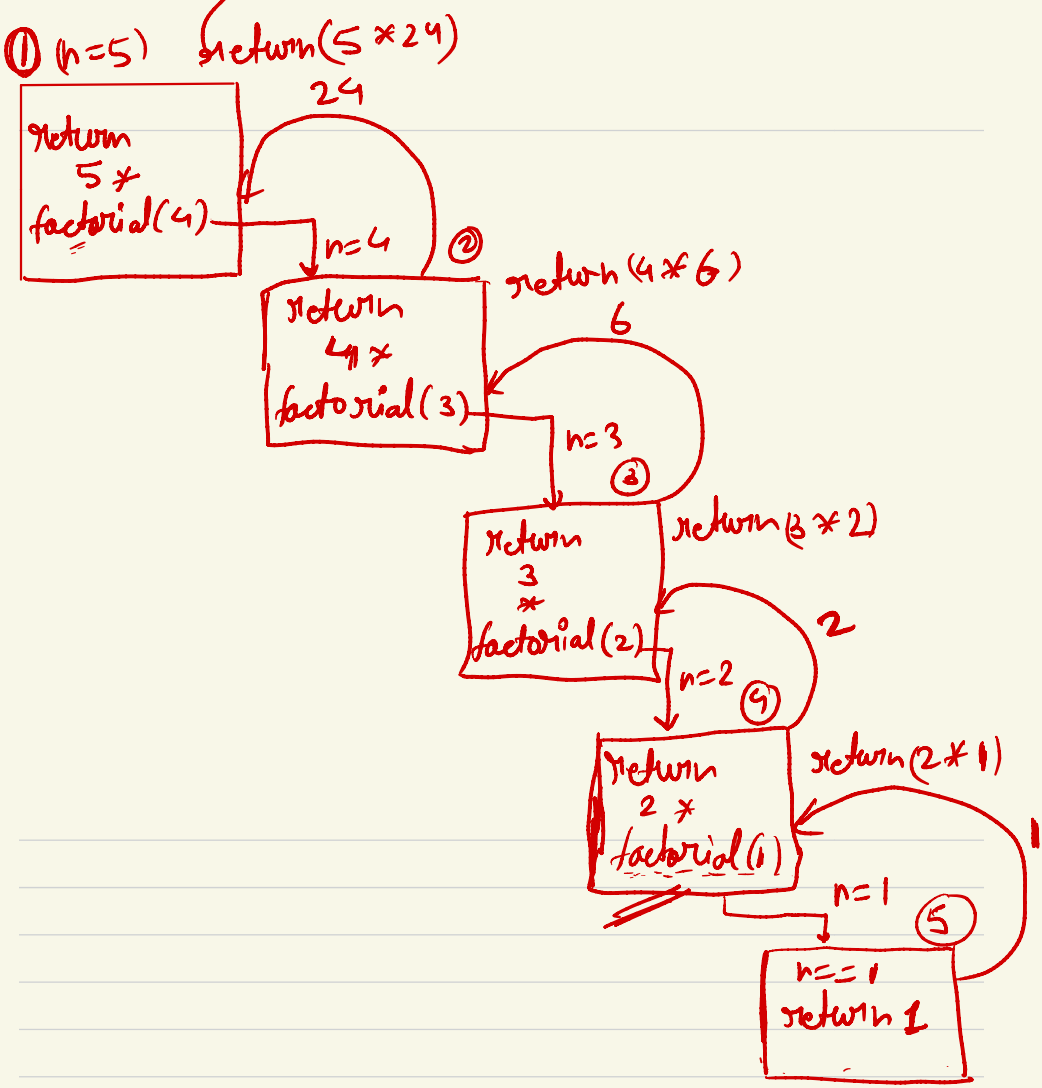
<u>iterative approach</u>

```
def factorial (n):
    if n==0 or n==1:
        return 1

    fact = 
    for i in range(n-1, 1, -1):
        fact = fact * i

    return fact
```

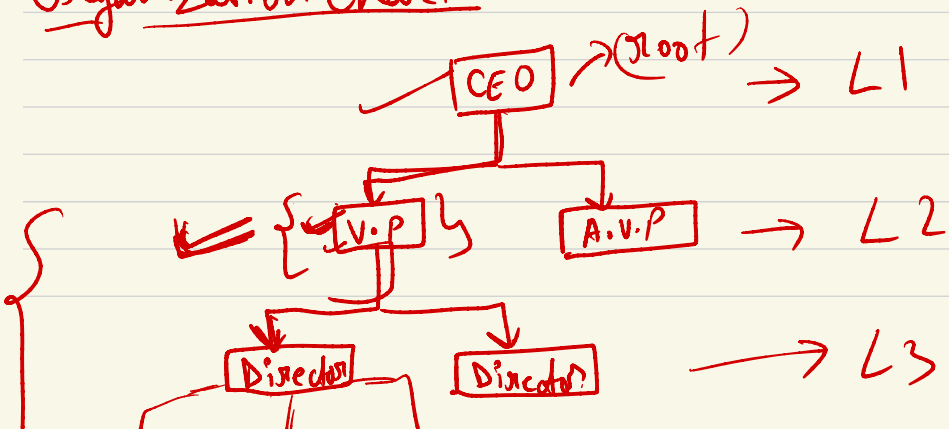
<u>Recursive Code</u>

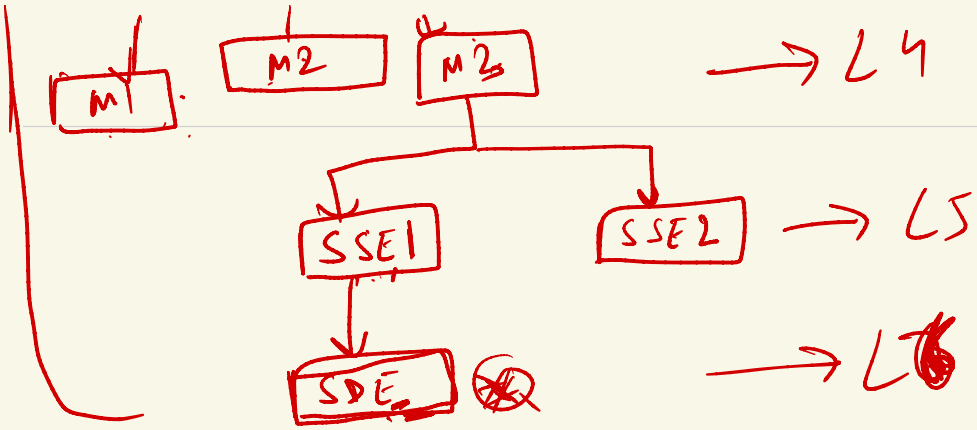
```
def factorial (n):
    if n==0 or n==1:
        return 1
    return n * factorial (n-1)
```

$n = 5! \Rightarrow$ factorial(5) $\rightarrow$ 120 } output 120

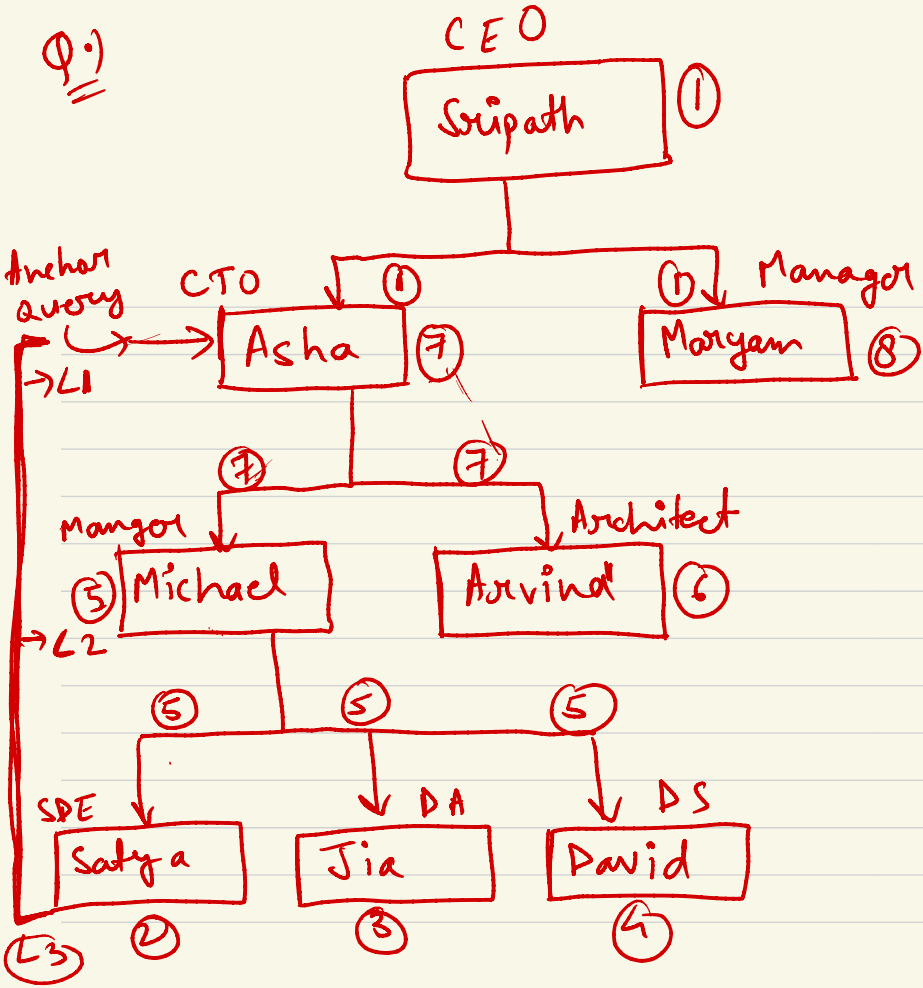


Organization Chart




M1
M2
M3
L4
SSE1
SSE2
L5
SDE
L6

Q.)


CEO
Sripath
1
Anchor query
CTO
1
Asha
7
1
Manager
Maryam
8
L1
7
7
Manager
Architect
5
Michael
Arvind
6
L2
5
5
5
SDE
DA
DS
Satya
Jia
David
L3
2
3
4