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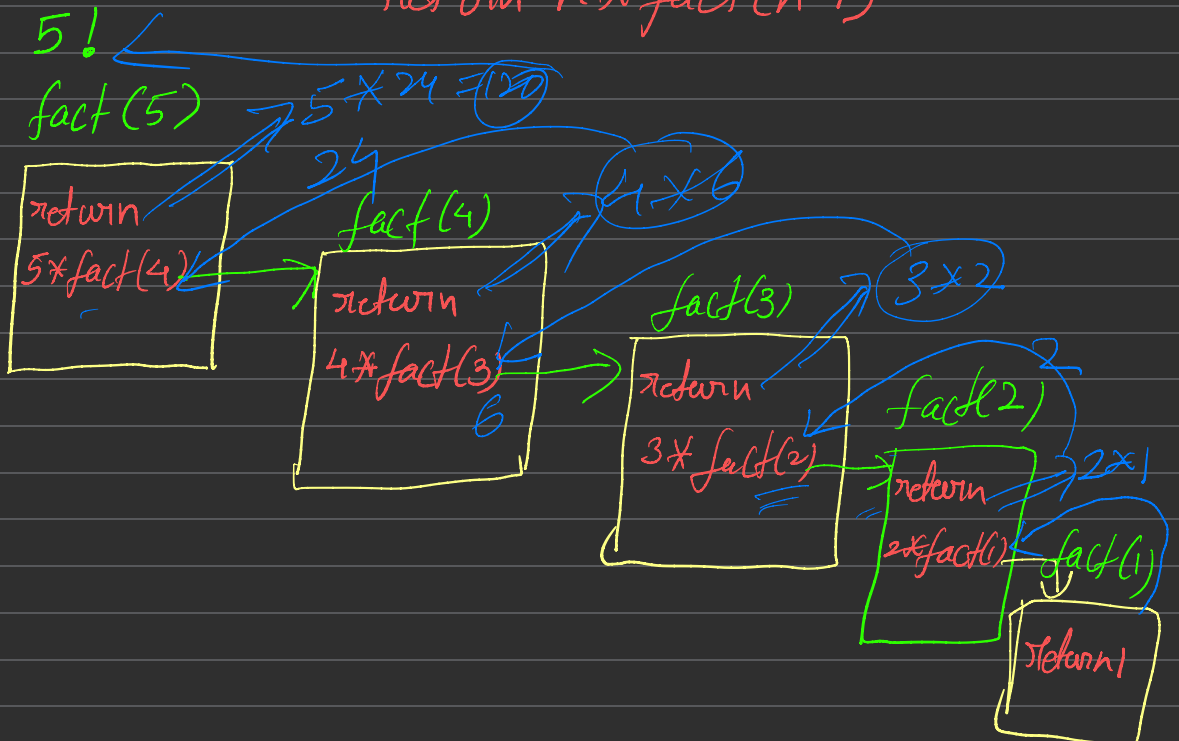
# Recursion

Calculate the n!

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

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with cte_count

(

Select 1 as n → Anchor

Union ALL

select n+1 from cte_count → Rear

where n < 10 → Termination

$\frac{n}{1}$ → cte_count

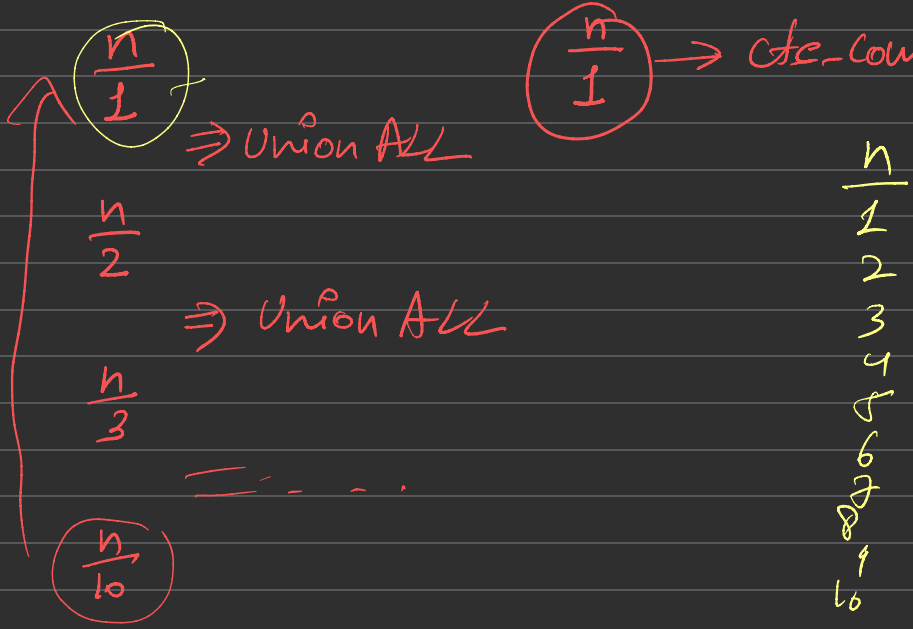
$\frac{n}{1}$ ⇒ Union ALL

$\frac{n}{2}$ ⇒ Union ALL

$\frac{n}{3}$

= . . . .

$\frac{n}{10}$



| n |
|---|
| 1 |
| 2 |
| 3 |
| 4 |
| 5 |
| 6 |
| 7 |
| 8 |
| 9 |
| 10 |

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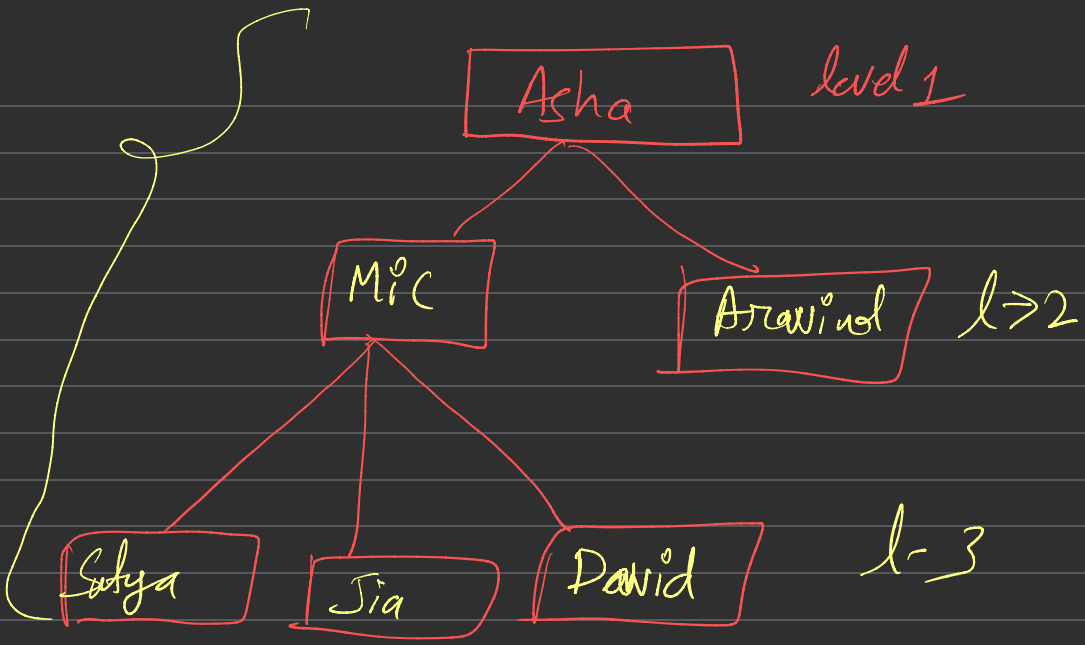


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