## RECURSION Concepts



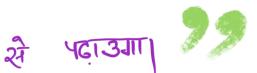


शप्य

हूँ कि भू, भू तदांउगा

वहोत

अच्छ



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codestorywith MIK ->



# (भाषण)

- Believe in yourself, because you are capable of achieving greatness beyond your imagination.
- Mistakes are proof that
  you are trying. Learn from
  them, grow, and never be
  afraid take new challenges.

## # Code story with MIK

Tail Recursion
Tail Call Optimisation

Examples ...

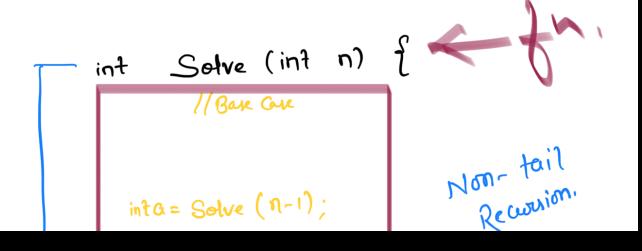
#### (Important for collège intervieus)

### TAIL Recursion :-

=> Form of recursion, where the recursive call is the last operation performed in the function.



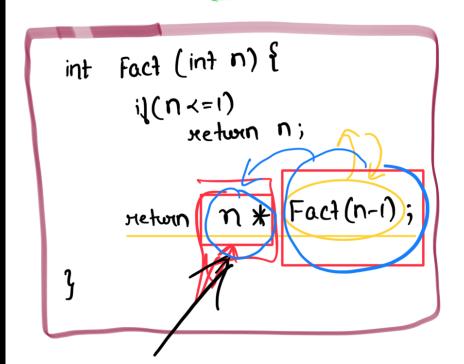
Let's undoestand with a simple example:



retur axa;



### Factorial:



Tail Recursion?
Tail Recursion?
Tail ??

main () {

Fact 
$$(n, 1)$$
;

 $(n, 1)$ ;

Space efficient:-

Solve (a) 1/ B. case return (1+) Bolve (a-1) Preorder (1) Post onea. Inoted.

( Pecursian (Story)