## PYTHON PROGRAMMING GATE DA/DSA

functions Agenda: arguments Syrter anns -> Scope of Variables Ly pos Funtion (1): Likey Local Variable L) combination Global Variable Jefantt Jergun > Von local Keyword 1=[1,2) X 5 Annyman Function (Lunde Function)

Local 16 Nested Functions in Function → (\*\* K) Local Variables: - stope of this is only inside that yention. \*

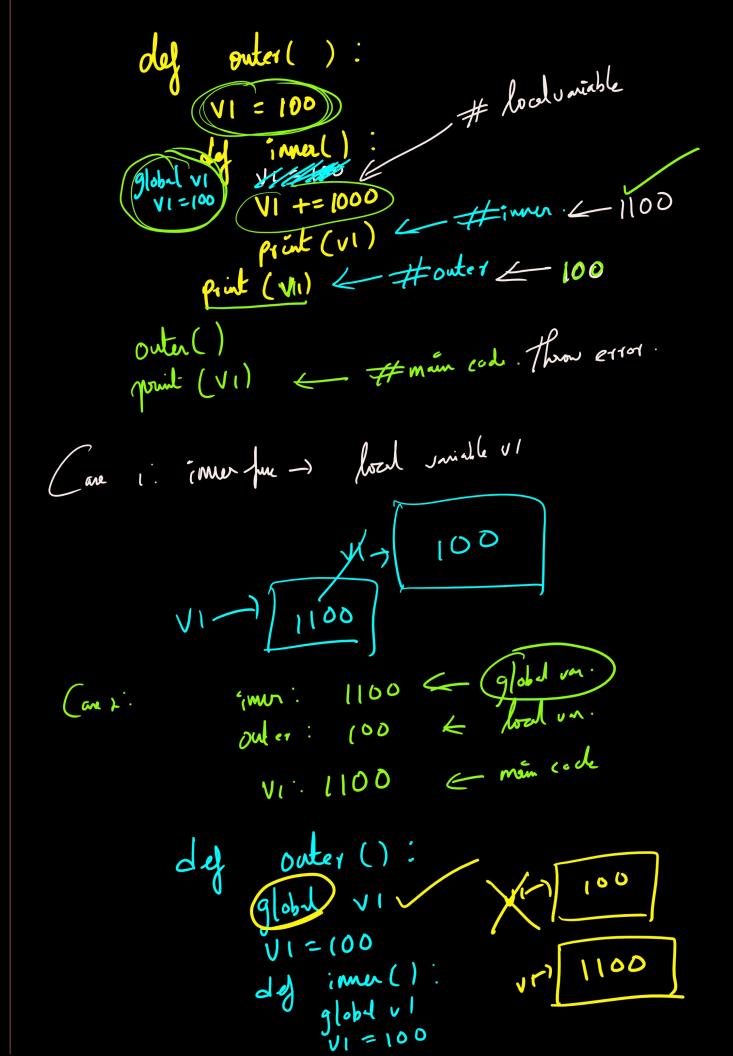
\* Local Variables are those which are initialized inside a function and belong only to that particular function. \* It count be accord anywhere outside the function. fure\_a ( a 1 Q = (0 D quint(a) a in met defined June-a() Junt(a)

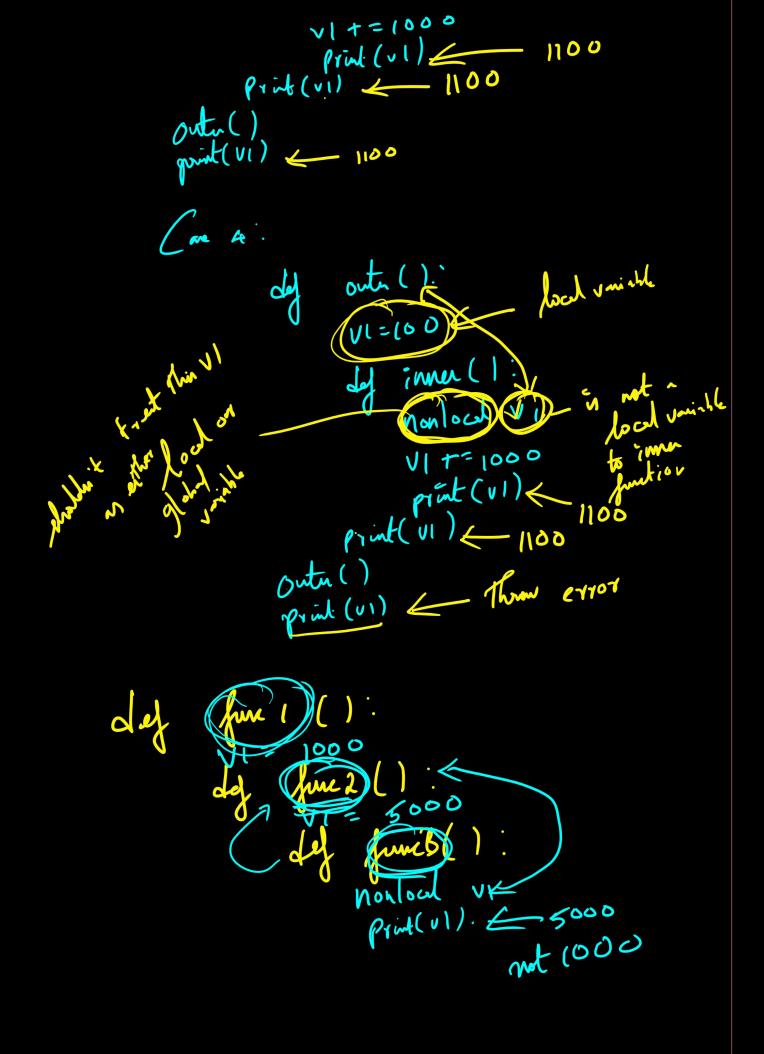
Coloral Variables: · Globel Voisbles are those which are defined outside any function and can be quemible throughout the program i e both inside /ontside of every function. d is global variable. def free\_d ( On be arrened thoughout the d+= 500 X-) 1000 d=(000 dt=500 d -) [1500 Print(d) -> 1500 fur\_J() print (d) Print (1) d-1000 d+=500) func\_ non ()

print (d) -> 1500

Nested functions: \* A next ed function is a function defined imide another function. The outer function can call the inner function can areers the variables and paremeters of the outer function. dej func\_outer(): X--1000 Y--1000 X-> [poo y-1 2000] June-inner():

June-i fum-outer () Igla -> monlocal variables: -> Nontred variables are med in nexted functions whom local supe is not defined. This means that the variable can be neither in the local supe nor the global supe. I We we 'nonlocal' Keyword to create monlocal variables.





des Calculate (a, b, Operation): rotur Operation (b, a) sub dy sub Lach) return a-bK Calculate (10, 15, (SUb)) CCOISION