Lecture - 27

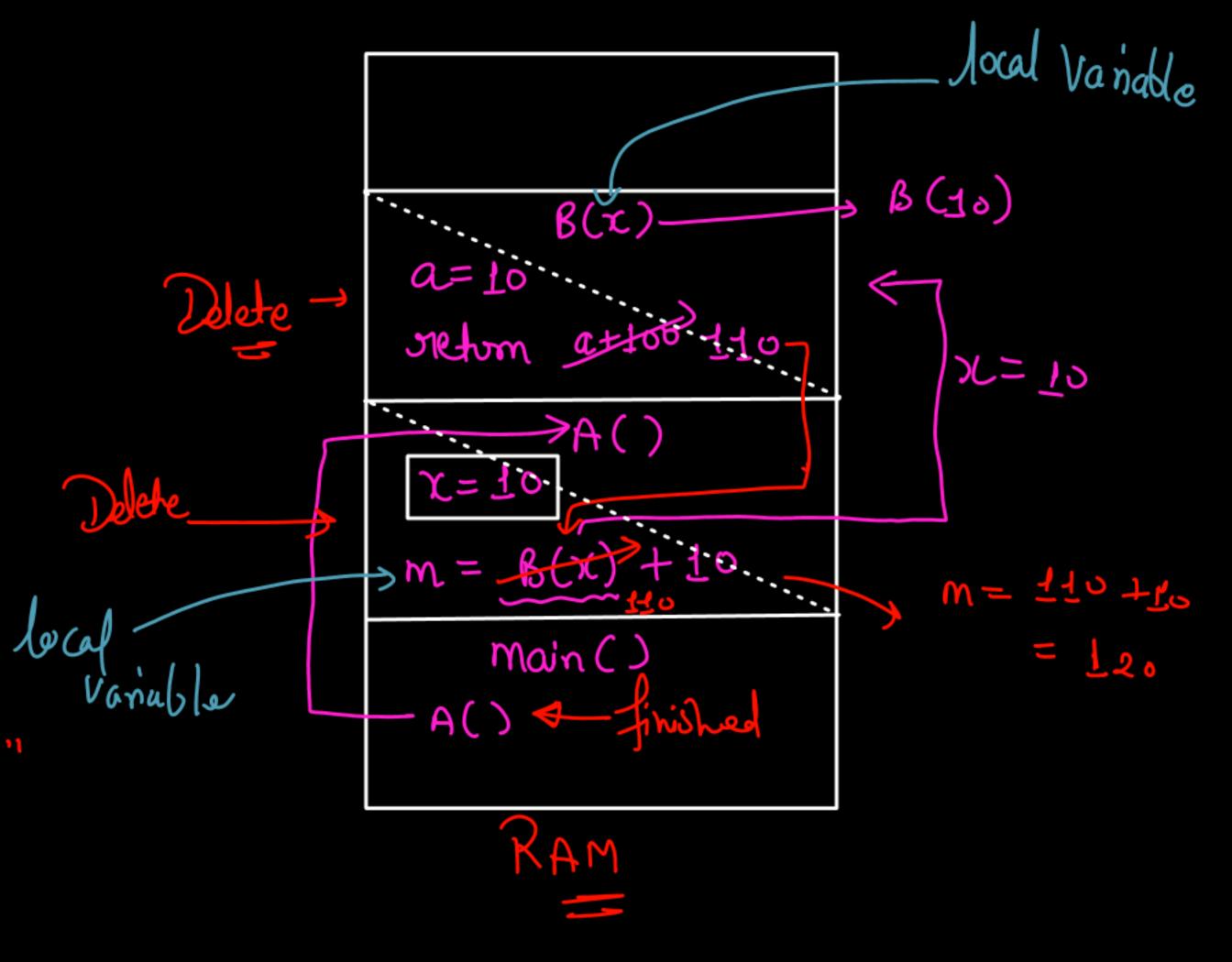
Lunctions in C - 05

La Scope of a Variable of Storage Classes

=> Programming in C

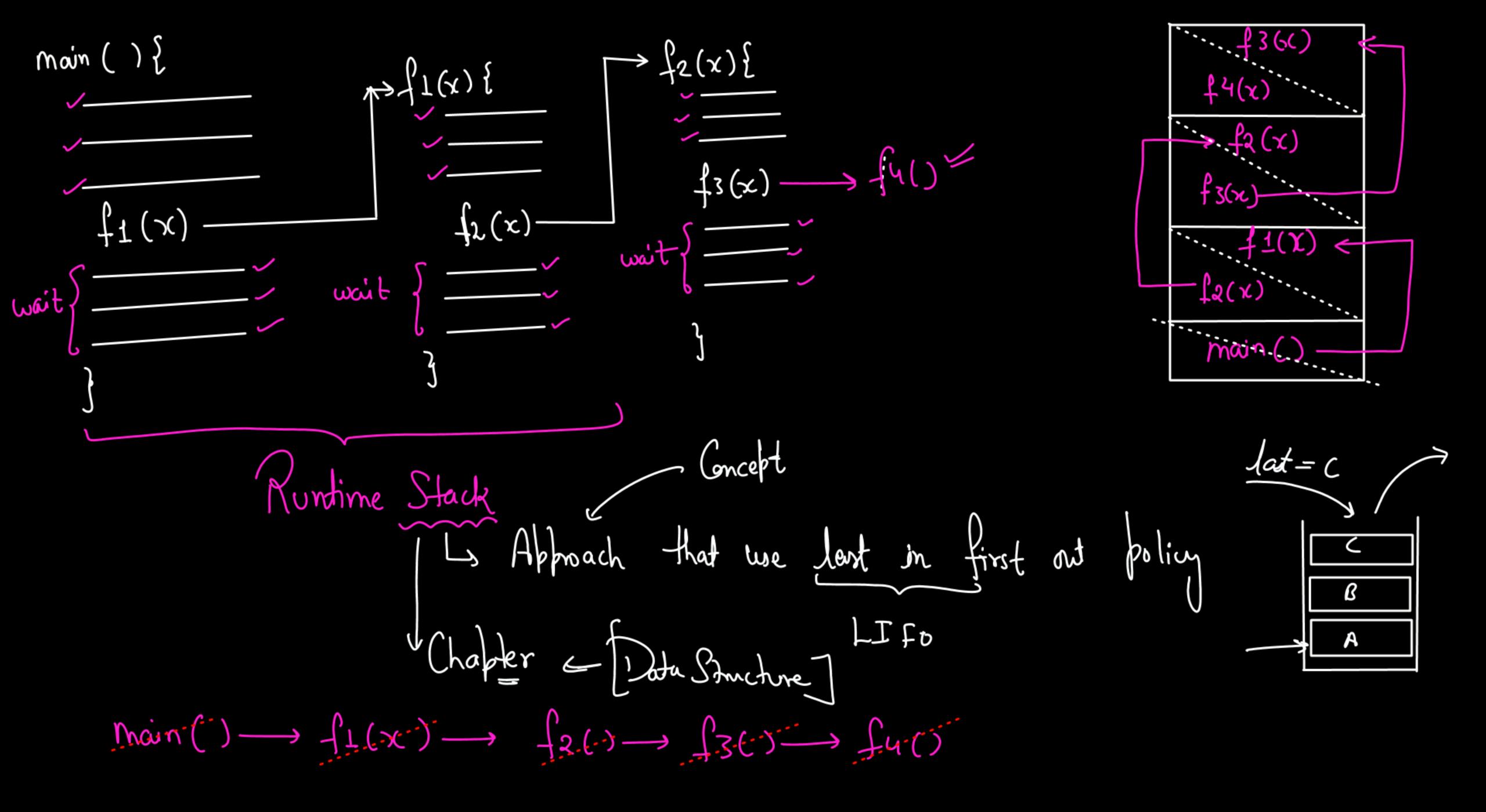
Void A () } int x = 10; int m = B(x) + 10; int B (inta)? Meturn (a + 100); main (int p= 50; local Variable for A(): print ("Successful"); = "Successful" reform 0;

4 When we call a function, then the activation of decord of that function is generated inside RAM.



Whenever the fonction finish its all lines of Code, then the Activation Record will be deleted.

- Les When AR Cleared, the Variables, objects or other function element will also be destroyed.
- > The lifetime of a function in a Memory is dependent on their return value.
- That means the variables defined inside the function or function barameters have their local scope.



include { stdio. h> (se) Fa (int x) & X=25. 89 = 625 netro int Sq = xxx; retorn 89; main () int p = 100; -- fa(y) Moned mintf (" %)" 625 jnt main () { int y = 25; printf ("%d", faty)) Metom 0; "625"

local Variables main() -> J Lifetime Ly fa () -> x, sq (with funding * The Variables that agre not the part of a function are termed as global Variable. > Scope & lifetime = Doning the

Local Variable;
Li The Loriables that are the part of a function. -> litetime -> during function execution. Global Variable;
Ly Not the part of any function. Ly Can be accented by outsiders. La lifetime - a during whole program

RAM Storage Classes Heap Area Drogram 5 Instructions / Dynamic Memory \triangle Allocation Achivation Record Runtime Stack Stack Static & RIW Data Segment go bal Static Compile Variable Code Segment/ text segment Area time Lonly

Static Variable Voriables Executable main prog. exe file mainprog. > a. exe Run Joura Coge Mocal lanables source program

Johnson J Storage Classes

Variables Macros Jebel J Register