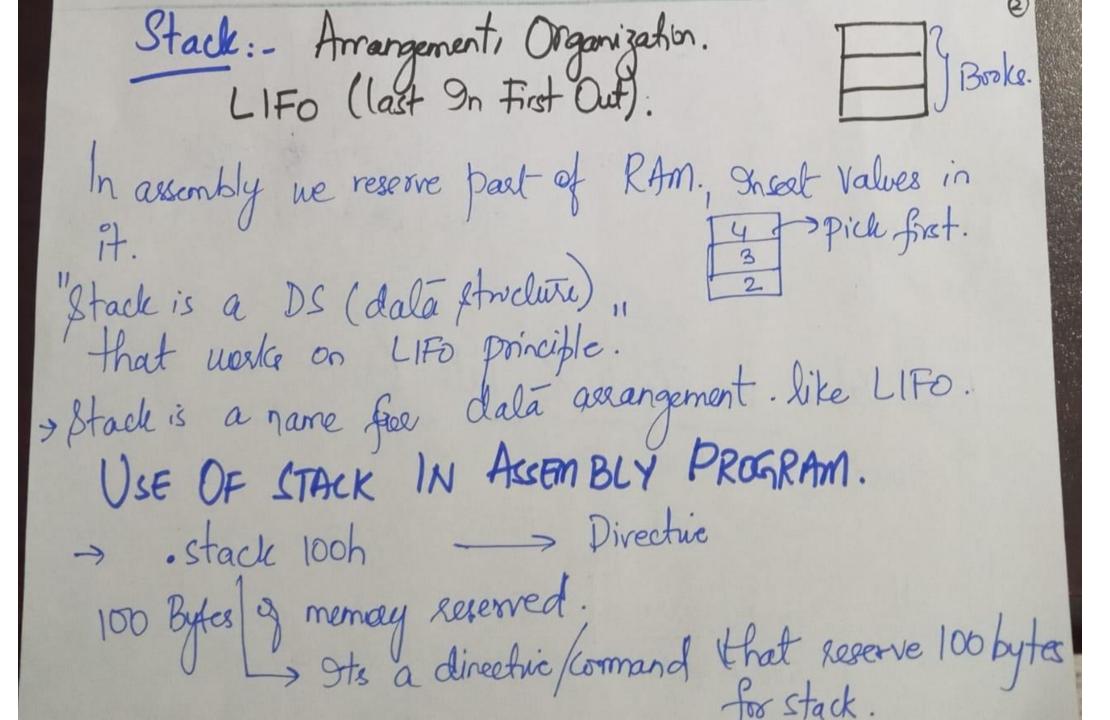
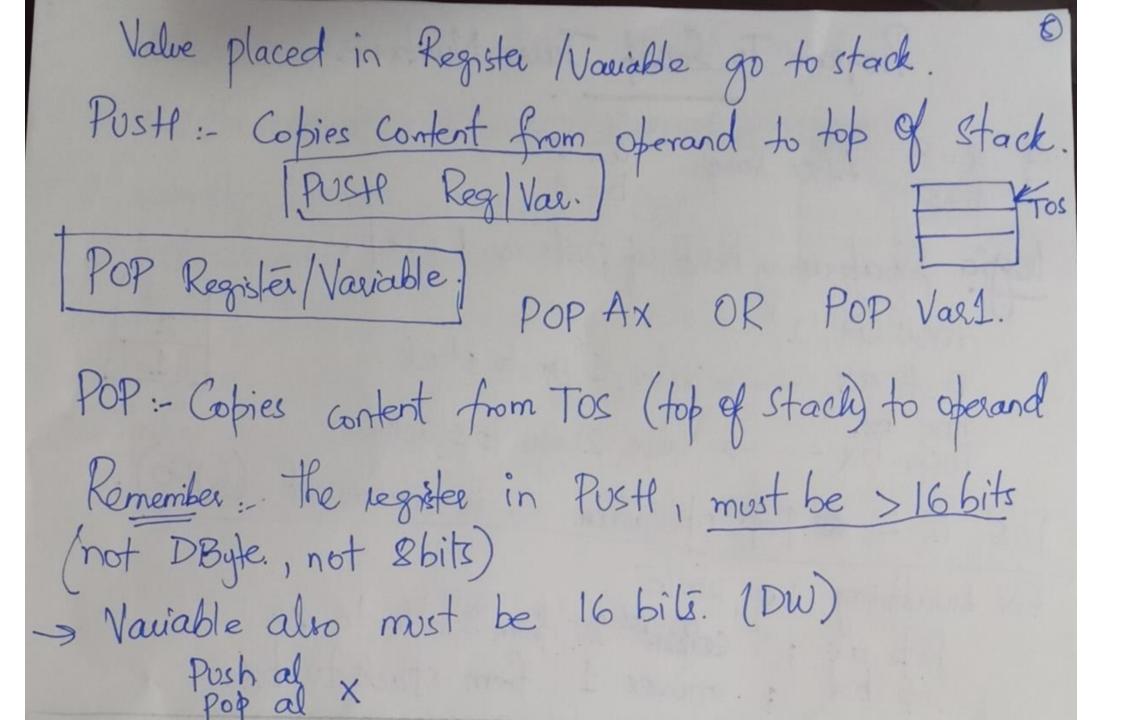


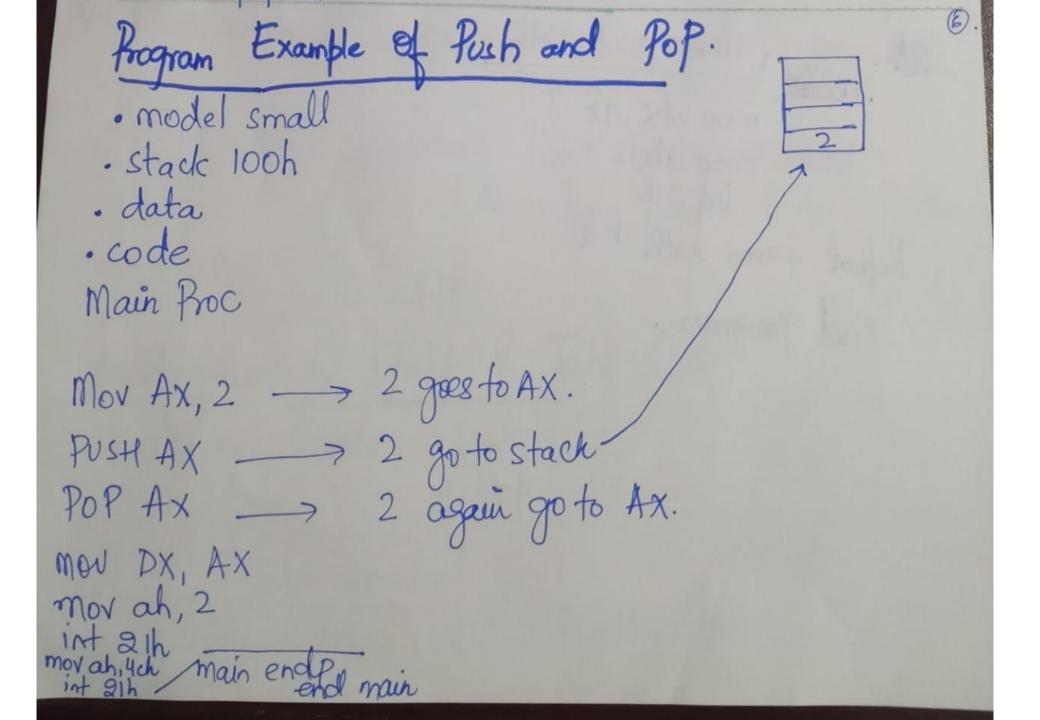
Stack.	Ó
Undo/Redo. Oftions. (Used in Ms word, Eacel, Notepage) Back Hoeward.	et et
Back forward.  Solving Mathematical Problems with precedence.	
OLA: Actif in CS.	
Stack in Assembly language. Swap tun Numbers.	
Swap two Numbers. To Reverse a String Helps in Nected Waps (loop within Loop).	



-> - Stack 100h, written after model small In assembly, we reserve Space of RAM, tho tell assembly program that which I location of RAM is reserved to where is Top? > . First ne resene space in . Stack 100h > Space from where to where. Stack segment Register hold address of Poetion Stack pointer Register points to Top

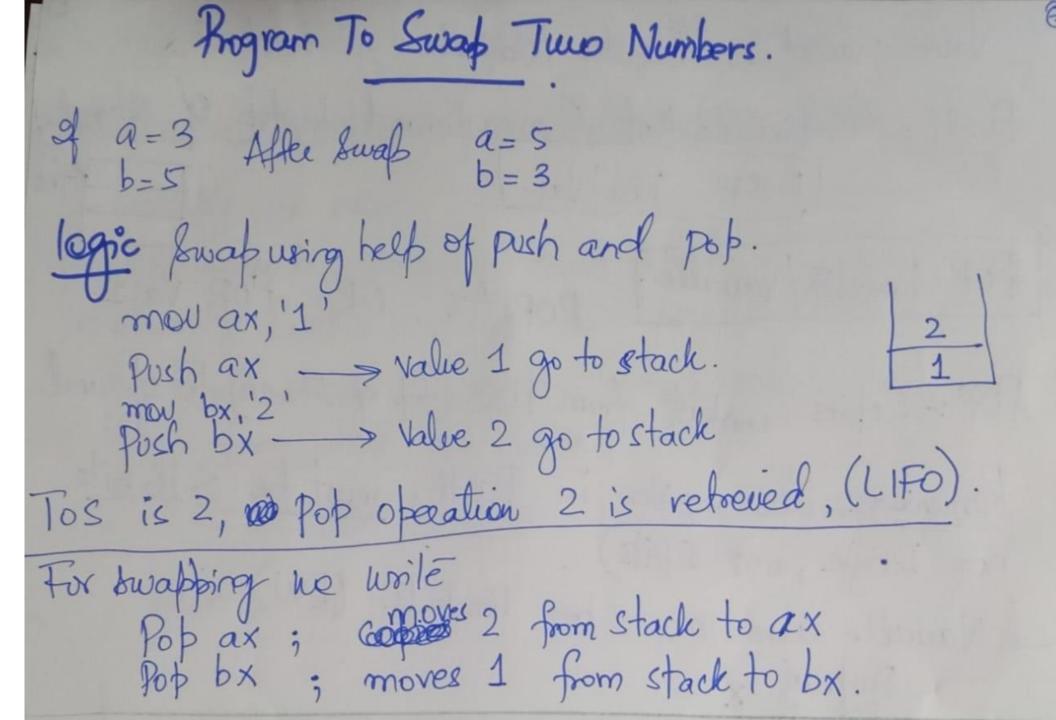
Stack Segment Register: - Hold address of space reserved for stack. Stack pointée Régister... Point the top destante We write SS:SP Add Value to Stack & Take Oul-2 functions Used. 1) Push a) Pop. Pust Ragister Variable PUSH AX OR PUSH Var1







STACK LAB



Then print both mov dx, ax mov ah, 2 int 21h Report fame with bx End Program.

. .

BOLL SE

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Program to Reverse a String. ; create string Logic:- . data -> string db'abc main proc mou ax, @dala mou de, ax 3). To access string character wise Wesend to Si, & ofset and variable mor si, ofset string (first element address of vae. go to si) Her he put character one by one means stacking address help of push and pop, With the help of push and pop, 3 characters, 3 times book to Run a/c to Hing.

> 100p seur 3 finas. mou cx,3 -> Starking address of value most to by. p. mov bx, [si]

push bx

inc si -> Value go to stack. > increment. 100p 11 Stack is created For Pop and Print we Create 10062 mov cx, 3 - for print place value direct to dx pop dx mov ah, 2 int 21h 100bL2

mov ab, 4ch int 21h main endpend main

(1)