## Friday, 30 April 2021 8:21 PM Pointers -> A pointer refers to a variable that holds the address of another variable. a date type Syntaso datatype variable Name; int val; float \* val; char \* chs Référence operator 7 returns the variable address Déference operator -> returns the value that has been stored in a memory address. int \* ip; ( loo A C) 100 AC 10 20 30 40 50 60 70 base address of the array ent arr [20]; int x ips (ip)= (arri) x ~ NULL pointers If there is no exact address to be assigned, then the pointer variable can be assigned to be NVIC.

Pointer variables point to a specific address in the computer's memory pointed to by another variable.

int \*p; (ut\* p;

x = 30°;

p = 2 × °;

cout << value of × is \* << \*p;

ans \rightarrow 30°

int \*ip;

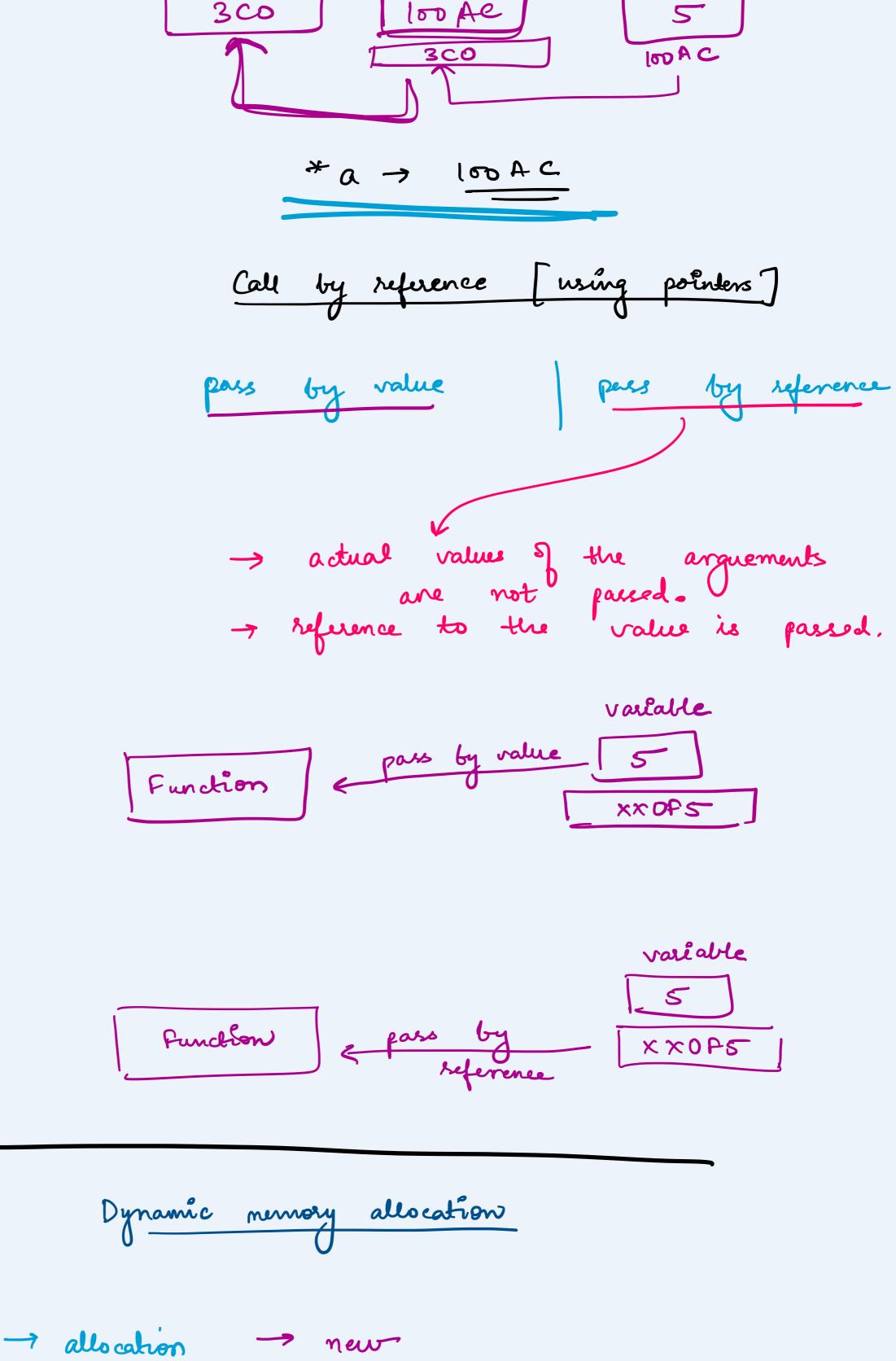
fp = 1 °;

fp = 1 °;

cont << var << endl;

- nangulate data directly ferom computer

Pointers of variables



int \* p;

p= 45;

release an oddres

polaterivame = new datatype;

delete operator

delete polater Name;

int \* p;

p= 45;

the polater Name;

the p= 45;

delete p;

int Aptr j

pla

int arr [5];

ptr = arr;

-) allo cates memory to a variable.

→ deallocation → delete

new operation

pti + 1

ptr + 2

ptr + 3

ptr + 4

ptr + 3

ptr - 2

ptr - 1

ptr + 1

ptr + 1

ptr + 2

3<sup>rd</sup> ele

2 arr [0]

ptr = arr ptr = arr ptr + 1 ptr + 2 - - ...