## Pointers

-> A politer refere to a variable that holds the address to another variable

-> has a datatype

poentes points to address of voriable address \_ 0 x 155

ent ptr Enside the raniable ûn si de tra potor.

2 - reference paintes

(2) -> variable 22 -> return the orddress of the variable

Syntax:

int #a; chor \*c; float &C:

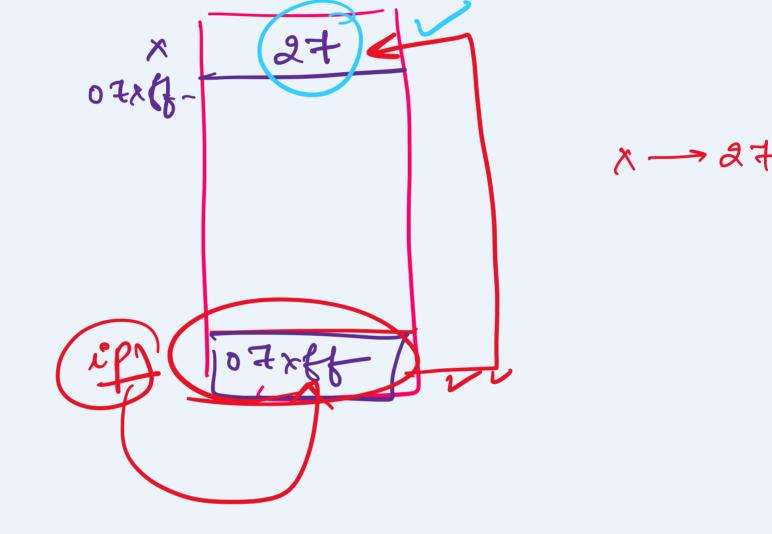
(datatype) \* variable-name 3

Reference pointer (2) -> returns the vomable Déférence pointer (\*)

helps us get the value stored in memory oddress.

For eg: num 2

> 0 x 234 DX834 & num \* num



Pointers 1 Arrays The array name itself denotes the base address of the array.

To assign the address of an anagy to a

pointer, you should not use an ampersand (8)

p = (ars) b = 5 and;

Ent are [20] 3 Pat x 2p g

ip = am ; ep = and;

## Null pointers

If there is no exact address that is to be assigned, then the pointer vanable can be assigned a NVLL. It should be done during the declaration.

## Its value is zero.

Poéntes of variables

With C++ you can manipulate data directly from computer memory. The mennony space can be assigned or re-assigned as one weshes.

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

austeur vainable Ent \*p;

ent\* ps Application of pointers

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Dynamic mennony allocation