30-Day C Language Learning Plan

Day 16: Pointers - Basics

1. Pointer to int

Notes:

2. Pointer arithmetic

int * pX = &x;

Cinteger pointer named px

is set to the address

of x ")

ink y = * pX;

cinteger namedy is set to the

thing printed to bypx)

POINTER; - a variable that stores the memory address of another variable.

POINTER OPERATORS: -

* -> dereference operator

(value at address)

*p = value at pointer

& address of operator

EY! -

Ex :-

&x - address of x

POINTER TYPES: - int *p // pointer to int

char * c; // pointer to char

float #f; // pointer to float

POINTER ARITHMETIC: - G ptrt i ; more forward i elements

y ptr - i: more backward

I ptr1-ptr2: gives distance between

pointers (in dements) NULL POINTERS :-

int of = (1111) = points to nothing