Pointers

int xptx = 2x, address of operations int *ptr; // Bad practice.

> NULL printer

int x Pro = 0; // Here, Ptr is a null pointer

-> copying pointers

int num = 10;

int xp = 2 num;

int *9=P; // Here, we have copy p in 9 so, qu'il behave like P.

> Pointer anithmetic

int num = 10;

int * ptr = 2 num;

(xpto)++; // It will increase to to 11

pto++; // It will increase the address.

int ant 00 = { 2,0,4,3,7 };

In Memo, 7009
210 413 in symbol table, mared ars [7009] (arr 4) 7009

change it.

Coutex arr; 11 print address of 1st element coutex fare; // Print address of 1st element coutex 4 om [0]; // print address of 1st element cout << * ano; // valvel at address of 1st element cout << * ans +1; // Print 3 cout << * (our +2); // Print 4 couted anotes; 11 print 4

Formula,

[arr[i] = *(arrti)] or [i[arr] = *(i+arr)]

coutex starin; // print 3

-> Pointors array

int om [5] = { 1,3,5,9,0}; int & Ptr = 2 arr [0];

Cout << * Pts; // Print 1 Coutex Horrs; 11 print 1 cout << * (Ptr +L); // Print 2 cout << * (arx +1); // Print 2

-> trooy is not assignable int arr[3] = { 1,2,49; ans = anot1; //It will show error because are is not assignable. int * ptr = 2 arr [0]; Ptr=Ptr+2; cout << APtr; // Print 4 -> character array int arr [5] = { 1,2,3,4,5}; char ch[6] = "abcde"; cout << are; // will print address of first dement of array. coutexch; // will print whole string (abcde)
because character array is
implemented diffrently. int * ptr = 2 arr([0]; char + ok = 2 ch[0]; cout
rint address of 1st element of among coul << c; // print abode (start from 1st address and will stop at end of char temp; string (101)) coutex & p; // print t include some extra character because null character is not defined here.

> Pointer array in fraction int sum(int *arr/arr[], int n)} Sum = Sum + i [arr]; 1) * am and arrED both will take the address of 1st element of array. int main() { int our [0] = { 2,56,3,8,9}; Sm(arr, 6); // print sm upto index 5th from index 0 sum (arr+2,6); // print sum upto index sth from index 2. -> Double Pointers int on = 10; int * ptr = 2n; int ** PPts = 2 Pts; // created double