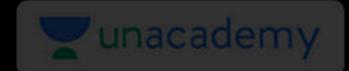




## Arrays & Pointers - Part X

Comprehensive Course on C- Programming

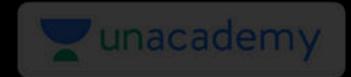


## CS & IT Engineering

C Programming
Arrays & Pointers-X



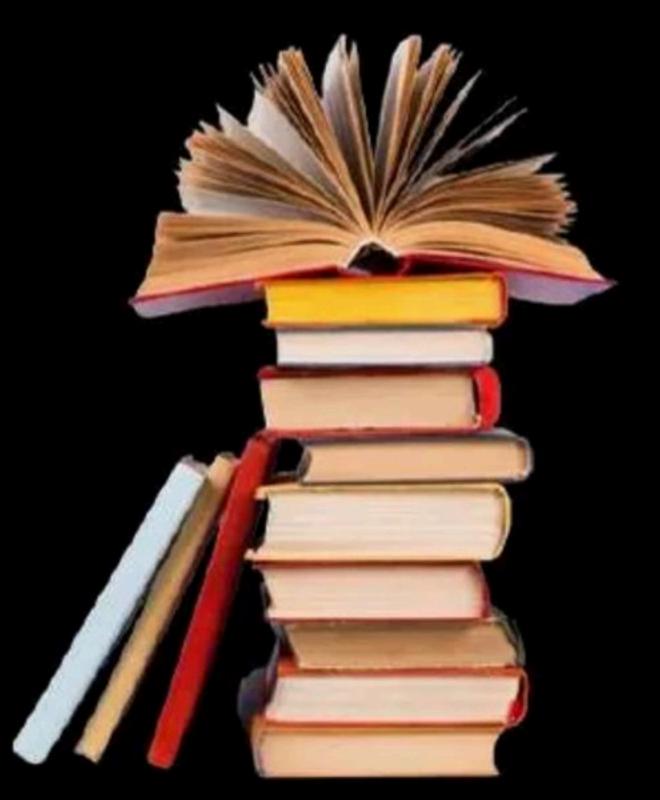
By- Pankaj Sir





## Topics

to be covered



1 Arrays & Pointers -X

void f(int\*); void main(){ عدبالها ۱۱د (00 int a[2][3] = {1,2,3,4,5,6}; f(a[1]); Ja[.](o) pf("./d.-1.d", a[1)[1], a[1][2)); veid { (, rf + b) { b -- .

 $int a[4][s] = {{1,2,3,4,5}},$ \* \* Ca = \* \* \* (0) = \* a [0] £ 6,7,8,9,10} = /\* la[0][0] £11,12,13,14,15}, こっしゅうしょ) -> {16,17,18 (5),20}}; Pf(".12", \*( (a + \*\*a+2)+3)); \*(a[3]+3) \* ( ( ( ) + 2 ) + 3 ) \* (\*(a+3)+3)

int f (int \*a, int n) { it (N<=0) return 0; else if (\* a - | · 2 = = 0) x<+1, n-1); else return \*a - f (a 11, h-1); reid main() } int all = {12,7,13,4,1,6}; pf (".1.a", f(a,s); }

13 11 9 int f(int \*P,int m){ it (NC=1) retorn 0; return max (f(1+1, n-1), P[0)-P[1); void main(1) int a[) = {3,5,2,6,4}; pf (".12", f(a,5);

100 164 (168 SUZ 116 f(104,4),3-5) max (f (1147) /2 - 4)

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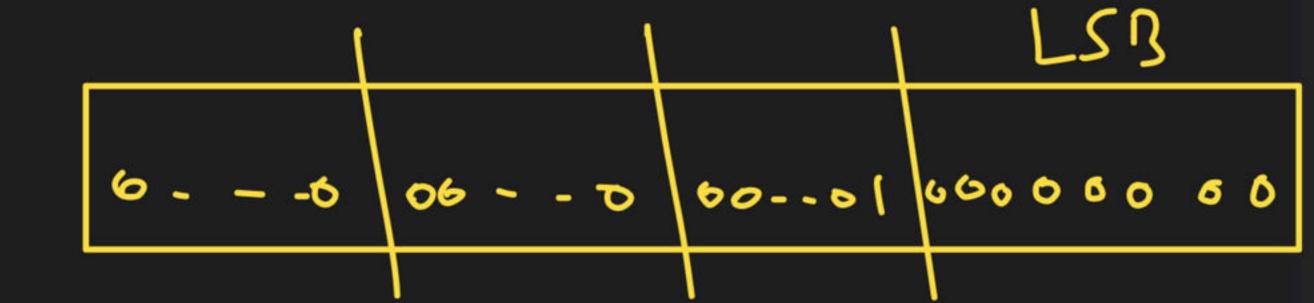
inf a=326.

char TP;

P = (chai) & a;

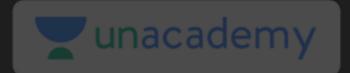
Pf(".1.d",\*P);

Litte Endone



P

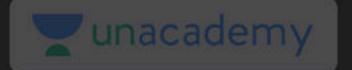
LSB/MSB Zunachdemy a = 60; a J'ikne eur natoagl



) on h

Necha 721. P=P+2; (8 bytes) Moving 2 Pocation in discolor





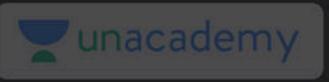
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Void \* P.

void pointer

int p;

char \*p'



Void \*p. inf or = 10. Compiler will directly deretient ary regg Þf(".1.d", xp); Bainter

unacademy

V612 \* int a = 10; P= & 9; Pf("-1.a", TP); => Emor 7 (\* tui) typecasting pf(".|.d", \*(int\*)p)

Due can not de refrence a void fainter directly

(2) First typecast then only derfrence 4.

To 2 BHIK

P = P+ 2 2 \* 513 rof (mt) Char P; 2 + 51 3 erof (char)

De not perform any astomatic P=P+2; Objetation on void pointex unacademy

Wild bointer

void main() } inte a; Caloage pf("./.a",a);

void main(1) (40099

La Uninitialized Bointer

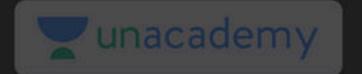
void main ){ int \*P! 1616 inf x = 15; 2nd Brokken!

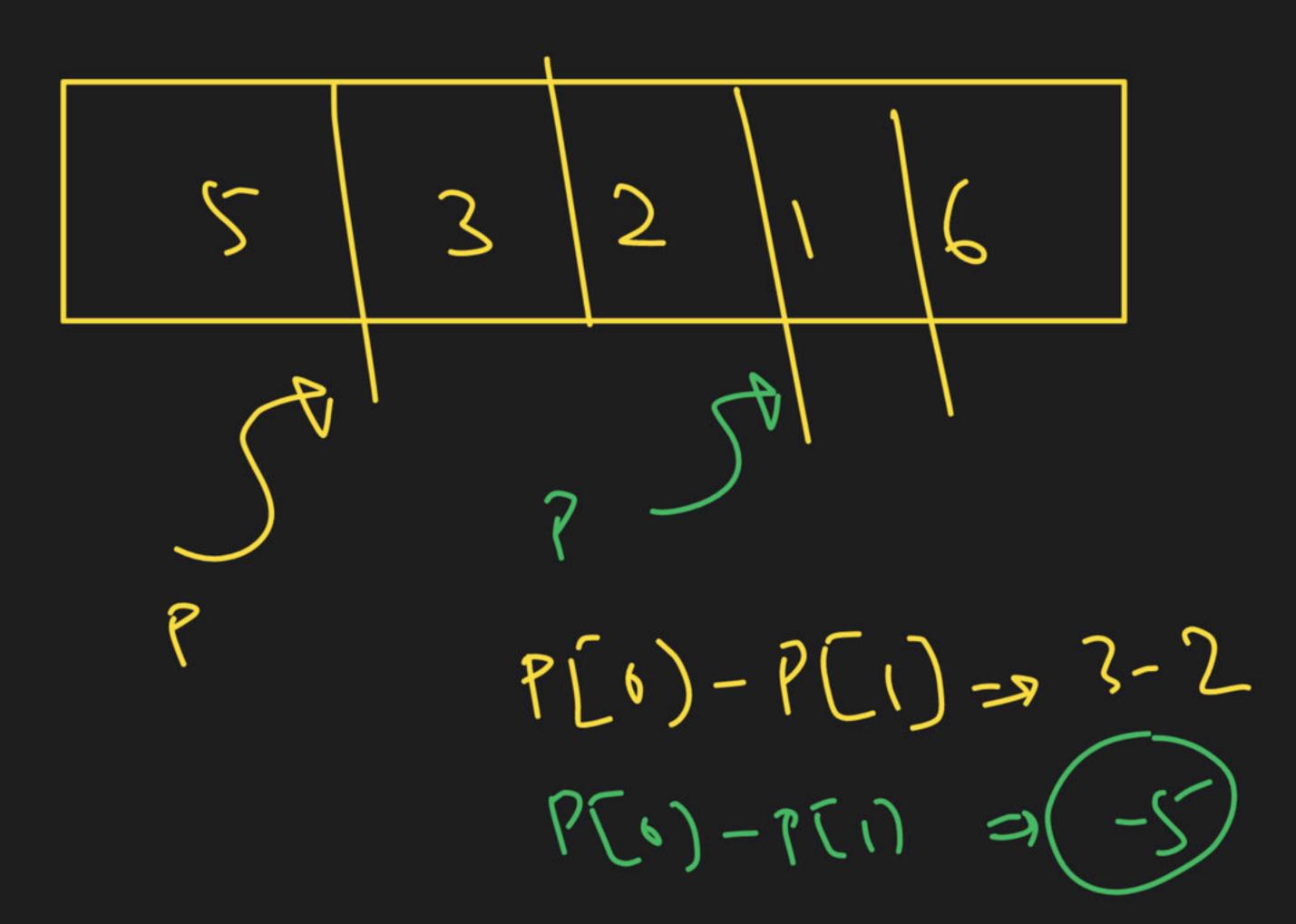
Elevate/batch

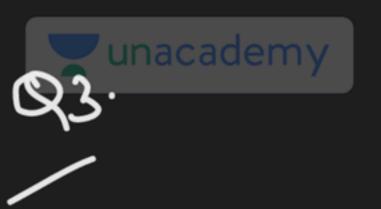
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8 accmacy 2/2 red void pointer wild bointer dangling pointer NULL fointer Dyramic memory allocation)















## THANK YOU!

Here's to a cracking journey ahead!