



Arrays & Pointers Part - VII

Comprehensive Course on C- Programming

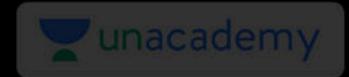


CS & IT Engineering

C Programming
Arrays & Pointers -VII



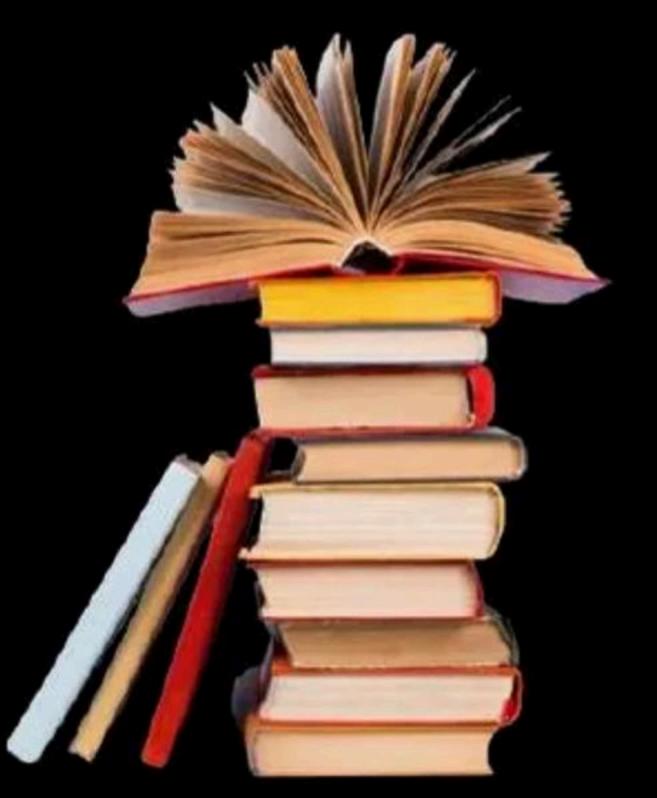
By- Pankaj Sir





Topics

to be covered



1 Arrays & Pointers Part-VII

Complex Declarations

```
int (P[4]);

int (P[4]);

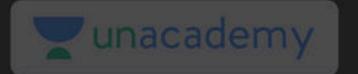
int (P) (4);

int (P) (int );
```

(i)(ii) (ننن) رنس (")

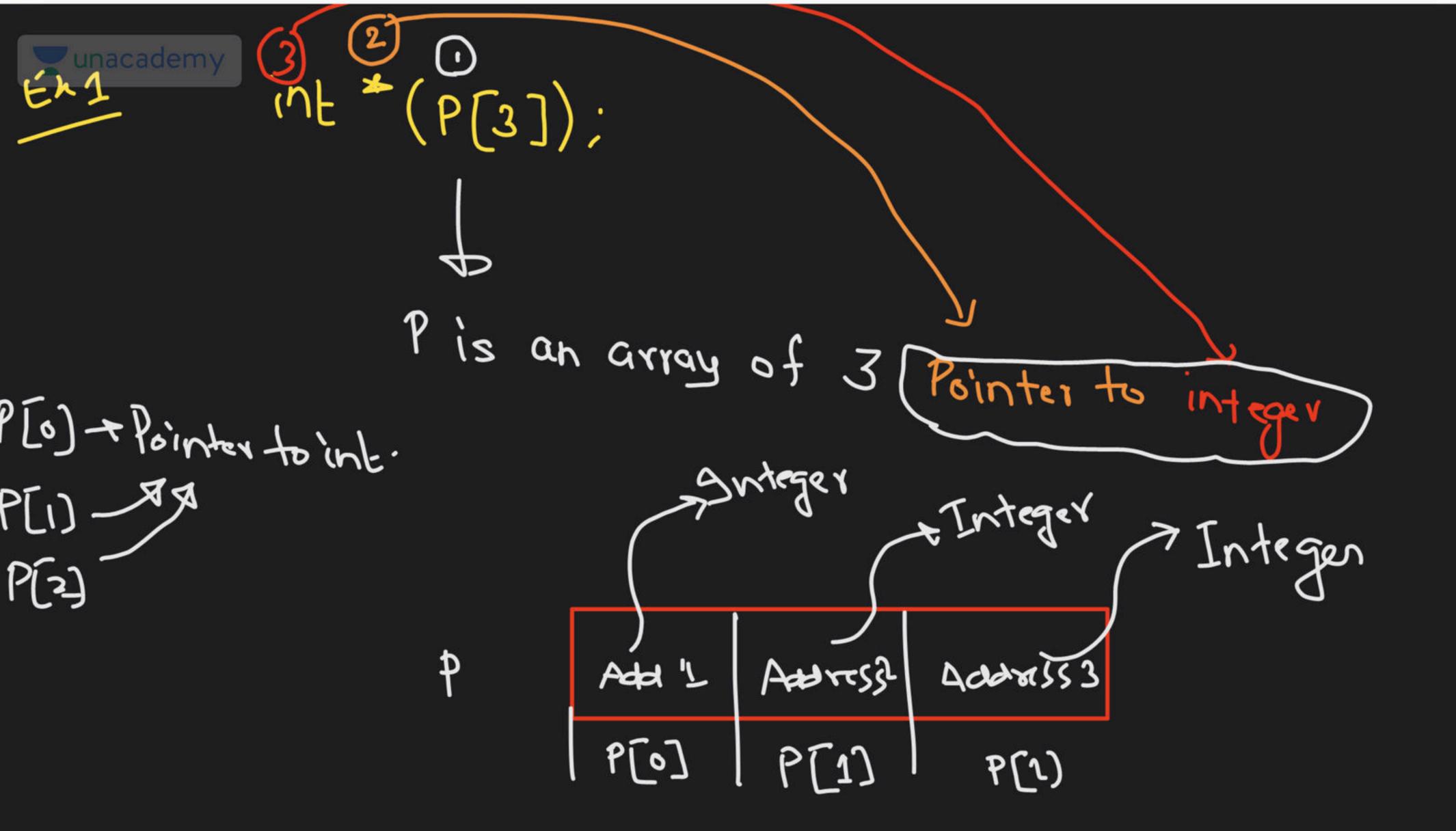
Functions
Arrays LtoR Pointer

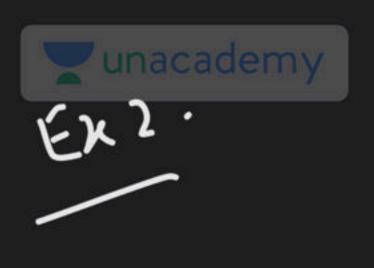
Identifier てもし Dota type

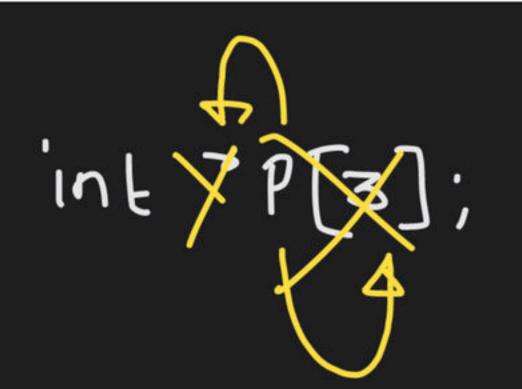


int is a star p

star 15 a int p Pisa ___



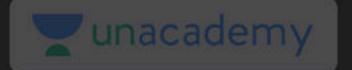




D'is array of 3 pointer to integer.

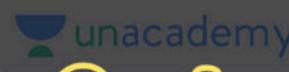
Ex3. 1ht (*p)[3]; P is a Bointer to an away of 3 integer

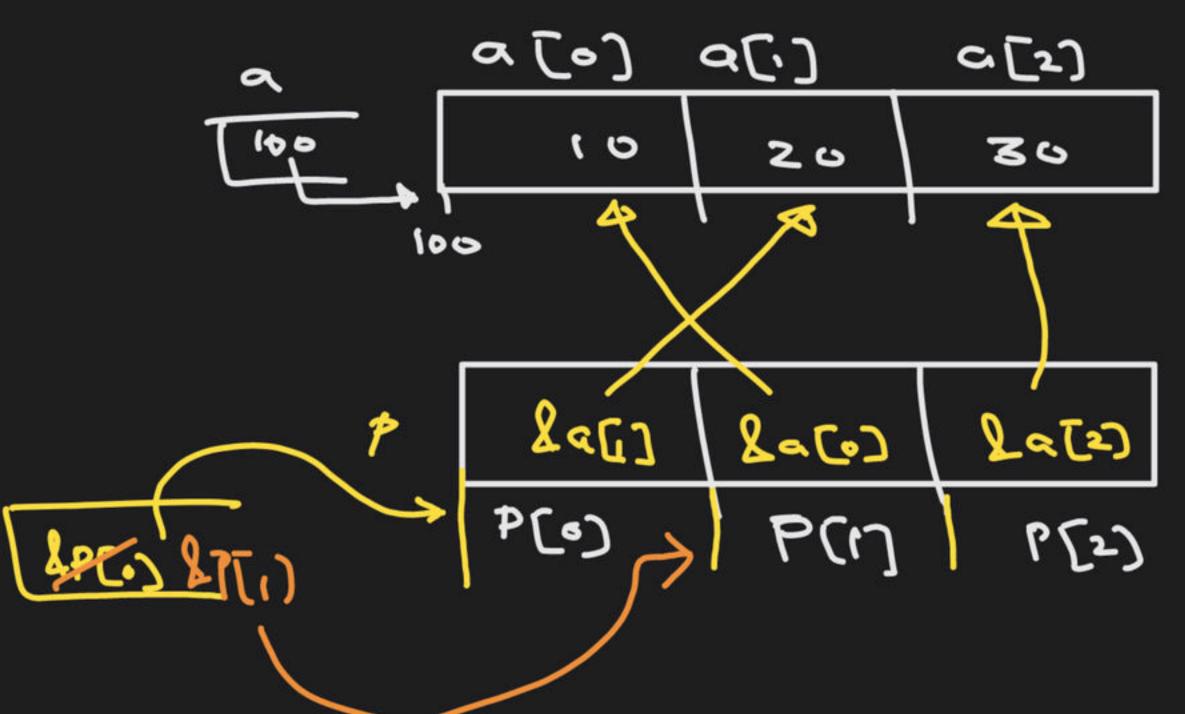
P is a fainter to integer. Pranhold - Padd of integert Pis a (Bointer to char) Address of Char- var. V Pis a (pointer to Array of 3 integer) Address of on away of 3 integer

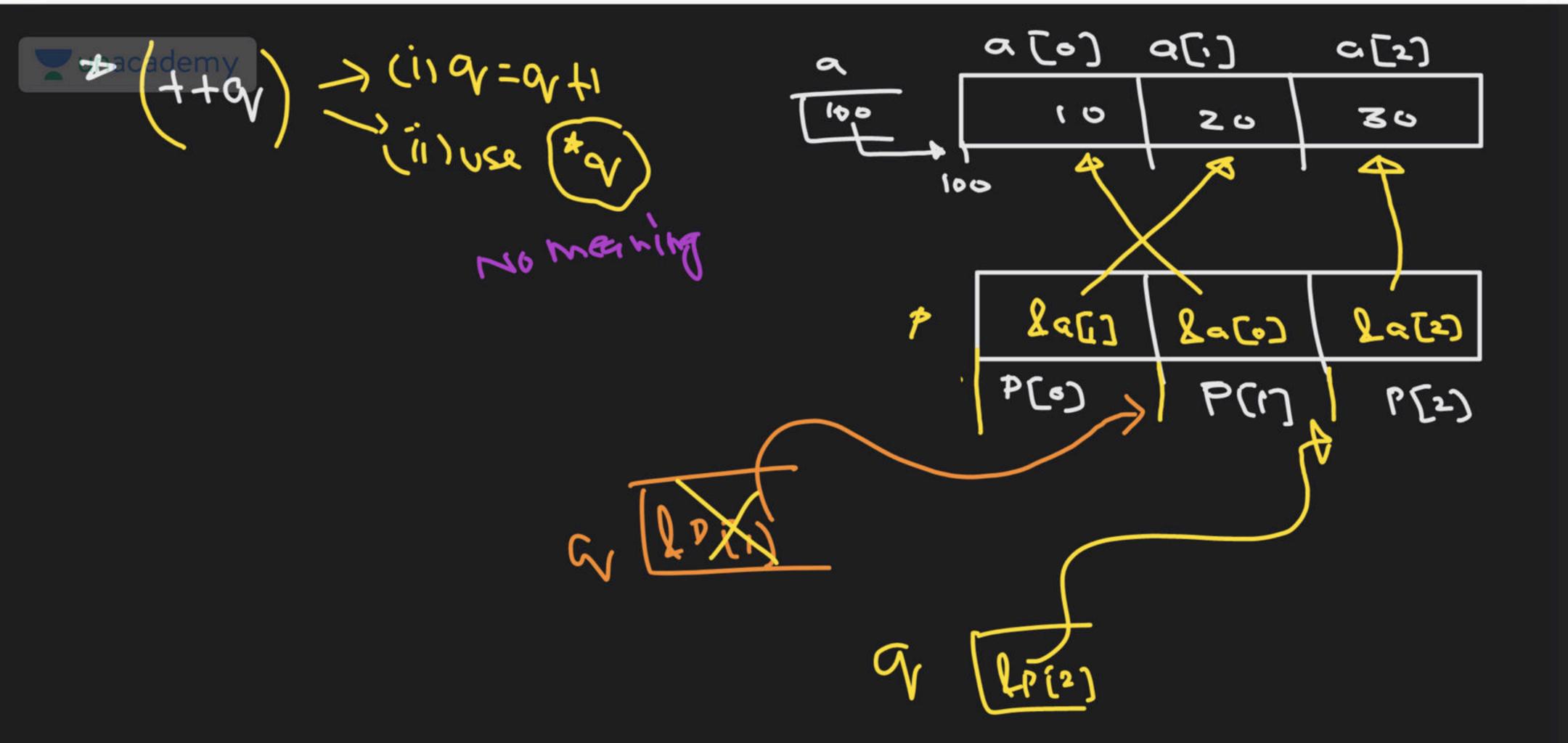


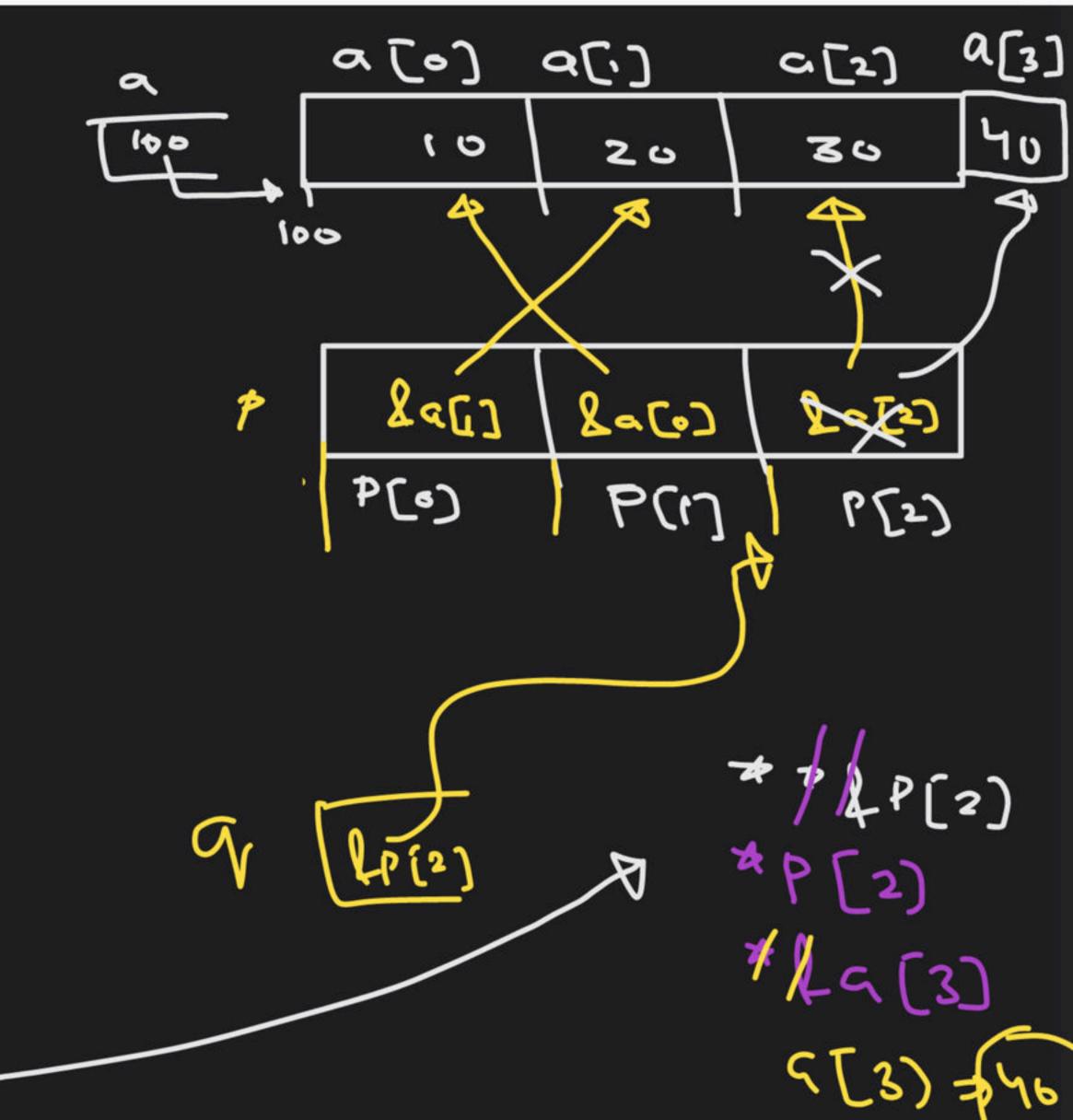
int a [3]. int a[3);
int (*P)[3]; P = &a; a [0) 1060

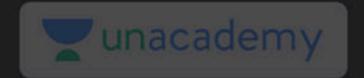
C[2] [nfeadem/3] = {10,20,30}; 9 100 10 30 20 int * P[3] = {a+1,a,a+2}; 100 29[] &a[0]



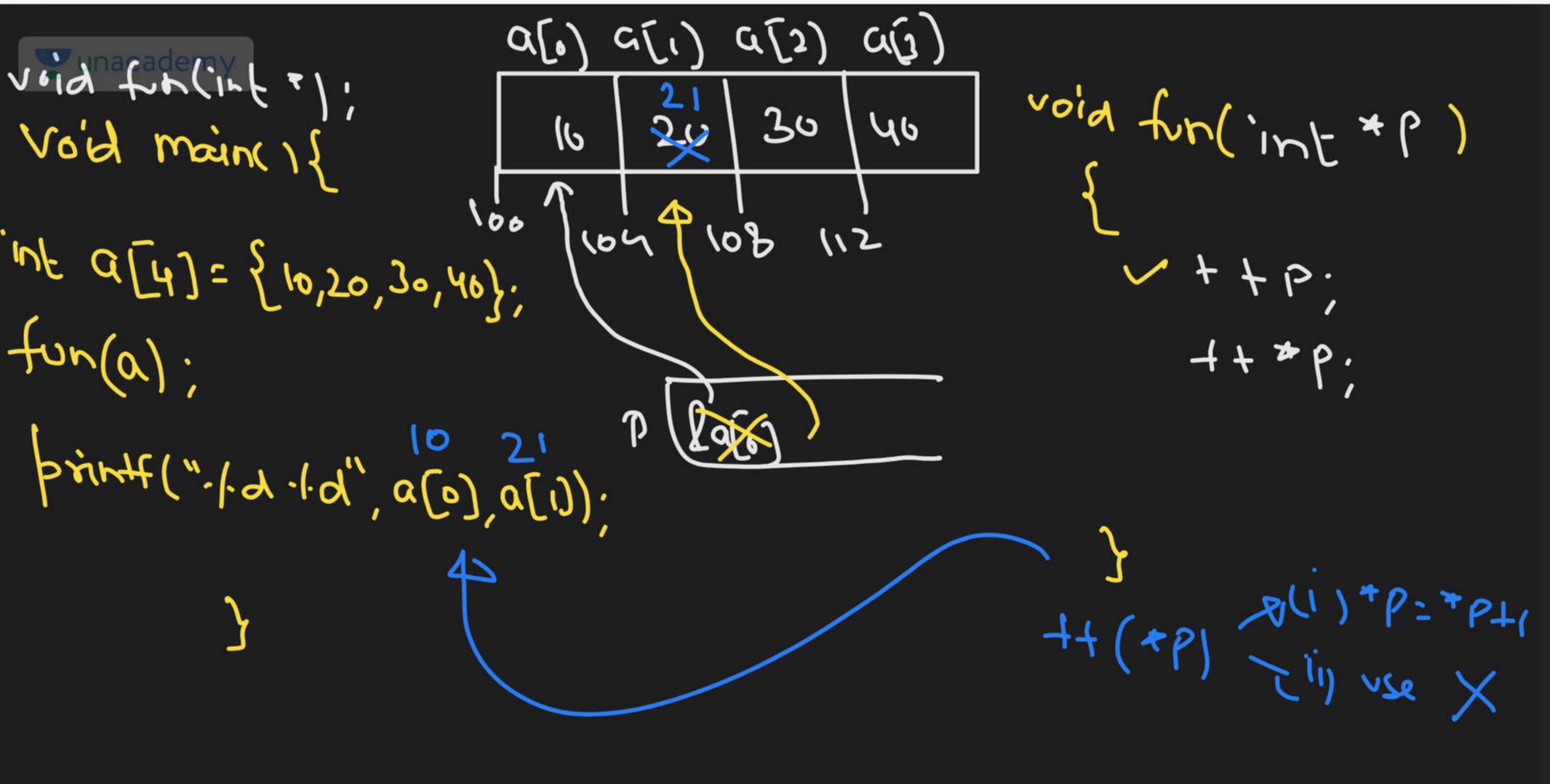








void swap (int *p, iw a) Void sweet (int *, int *) int temp; void moin(){ 2000 int a=10,6=20; swap (2 a, 2 b); 79 = temp pt (".1.2 1.2" a p); 100.



void fun (int 4); Void main 11{ inf a[n]= {10,50,30,40}. tun (9); bf (".1.d.1.d", 9[0), 9[1]);

Void for (int * P)} * P++;

void fun (int 4); Void main () { int a[n] = {10,20,30,40}; fun (9); þf("·1·α·1·α[·),α[·)); 7 20 30

void fun (int *p) 4+ *P++; ++(*(5+1)) a) *P= *P+1 b) (*P) unacademy

Void main(1)

vold for(int *p)

internally => Points void for (int a[])

int a(4) = {10,20,30,40); La(0).

void som(int *P, int h) void maint > § int 5 = 0; int a(1)= {10,50,30,40}; for(i=0;ixx;i++) Som (a, y); s = 54 P[i]; > privat(".121"/sum). P(Pte) & lo 2(P41) 326 4 (6+5)

5 120 void fun(iut "P) void main () } int a[1][3] = {10,20,30,40,50,60}. La(.)(.) fur(a(0)); bt (,. 1.9 1.9, 1.9, a[,)[,) a[,)[,) (()); * P = 100'

Void mainer

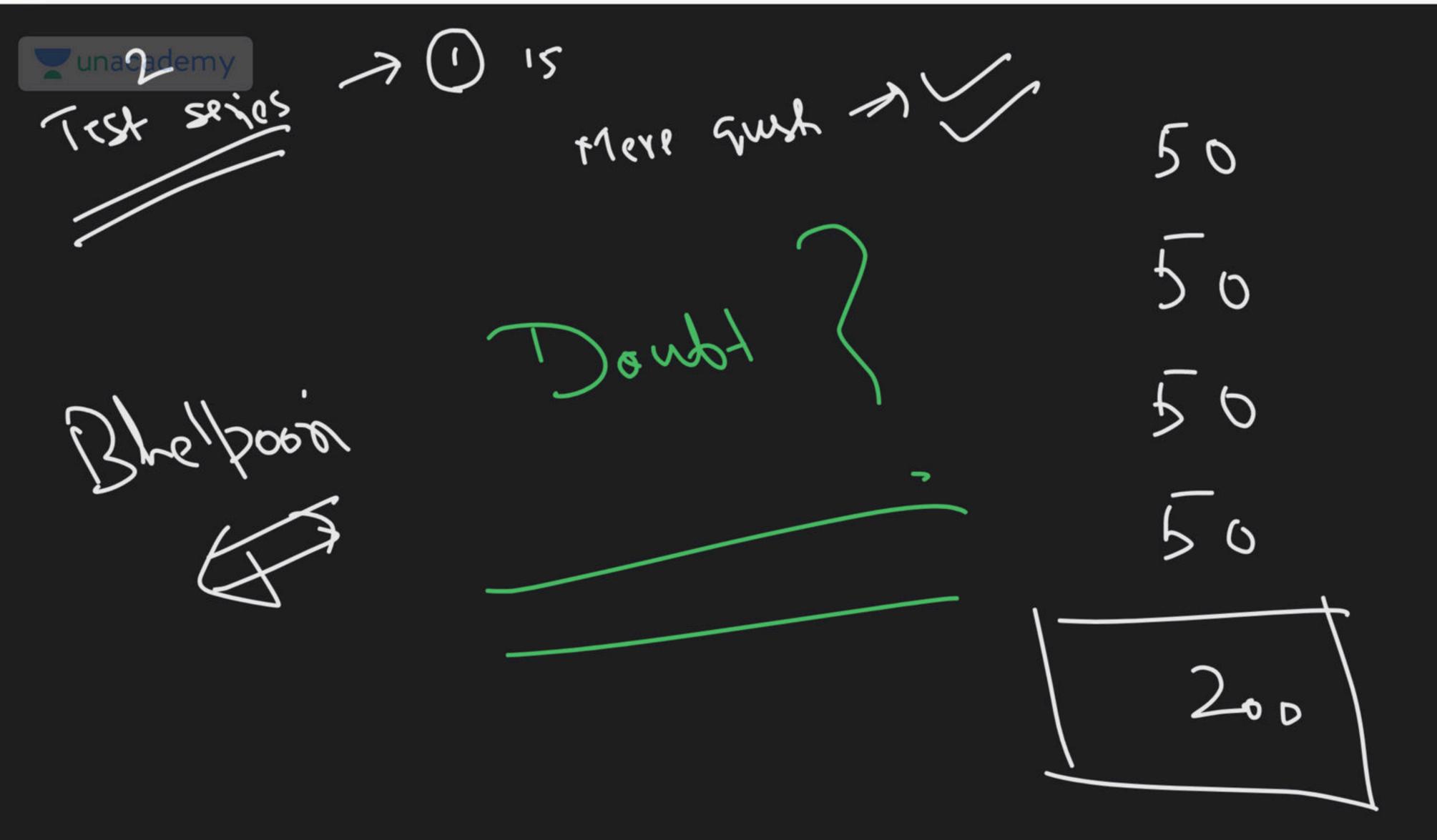
void ton (1/2 (2) (3)

int a[5)(3) = {10,20,30,40,50,60};

fun(a): Lishale) = address of (an array)

pf(".1.d", * ((*p+1)+1))

Pt (".1.a.1.a.1.a", a[.) [.), a[.)[.).









THANK YOU!

Here's to a cracking journey ahead!