





## Arrays & Pointers Part - VI

Comprehensive Course on C- Programming



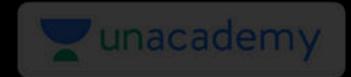
## **CS 8** Engineering

C Programming

Arrays & Pointers-VI



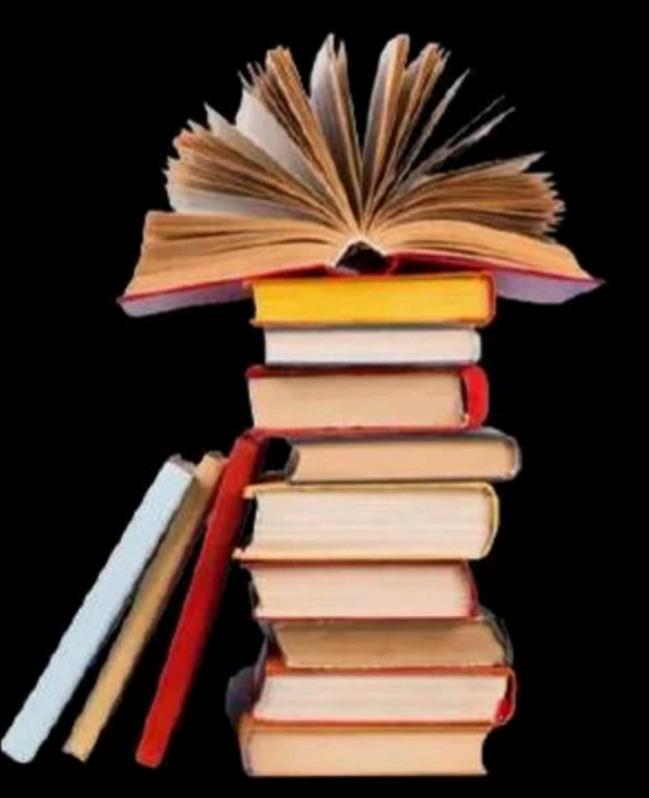
By- Pankaj Sir





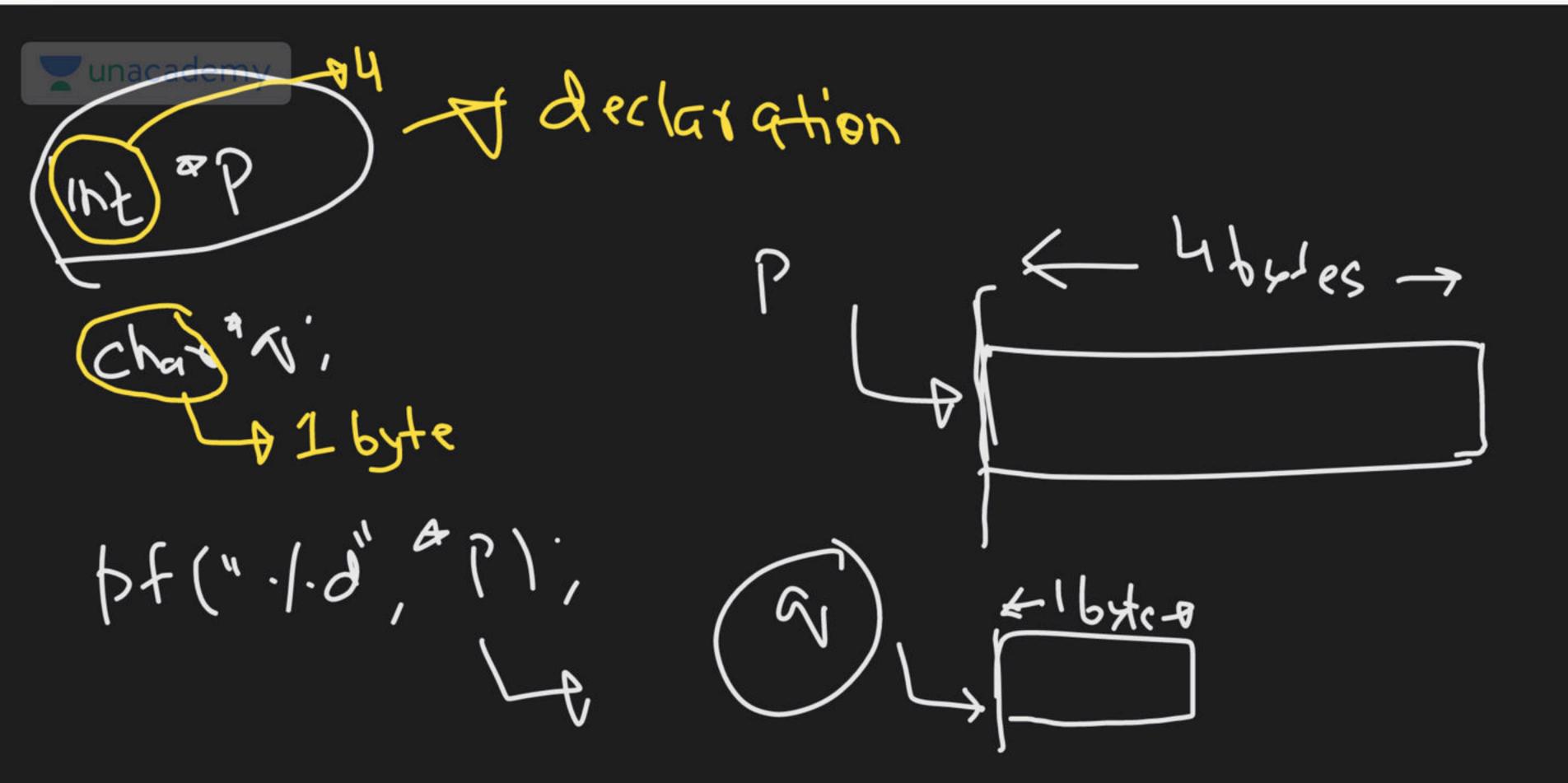
## Topics

to be covered



1 Arrays & Pointers Part-VI

MSB LSB 0000 1010 0000000 00000000 0000000 Eool 1002 666 1661 Acretyencing 10 þf("./.d", \*p);



701000001 chax x = 65; Char + p; 1/7 is a bointer to char P = 2x 0100000 Jof("-1.a", \*P) 1000

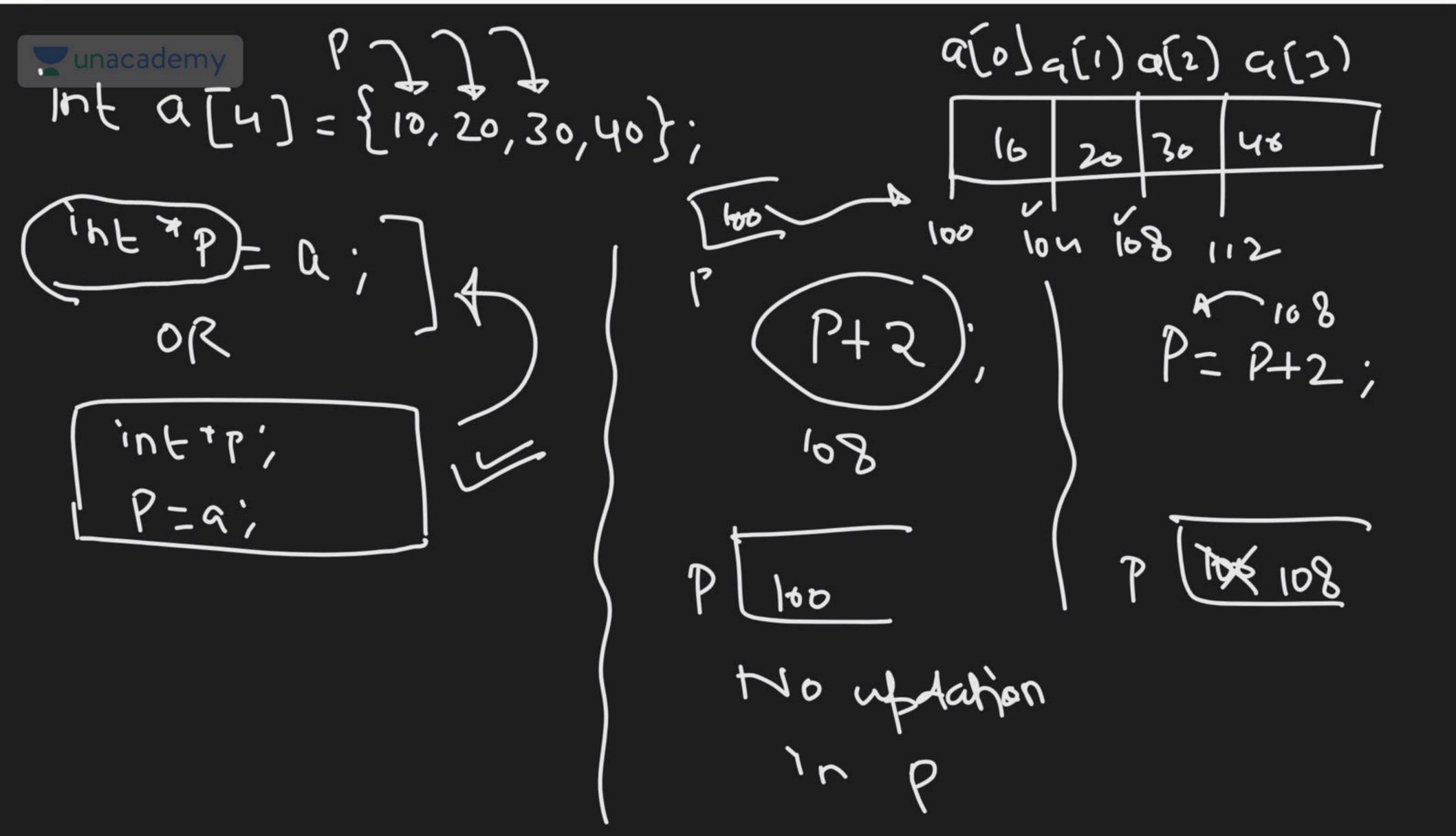
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int \*p. paddress of integer variable Address + Val = Add. value + Add => Add Declaration

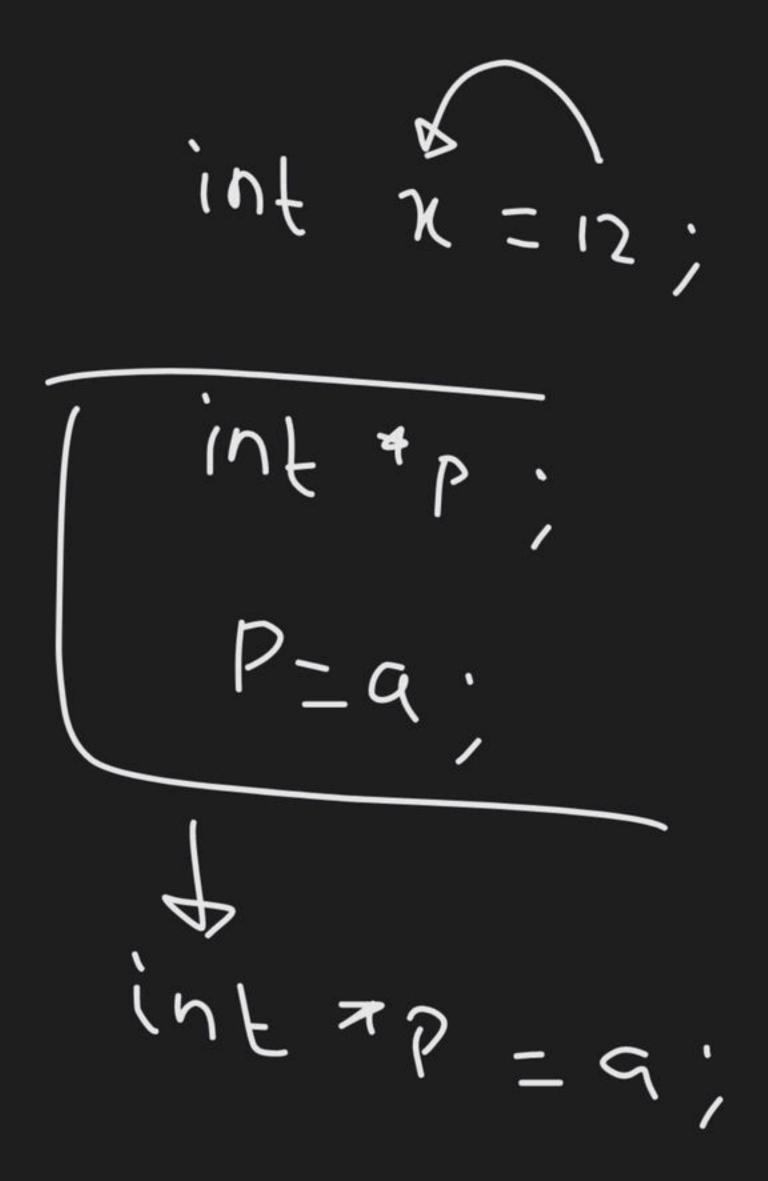
10t a[4] = {10,20,30,40}; a[3] a[2) 9[0] P= la[1]; 20 10 30 40 Result Address + value { Address}

P= 104 + 1 x 4

int a[4) = {10,20,30,40}; I'VF P a[1] a[2] a(0) P= 2-a[2); 6 20



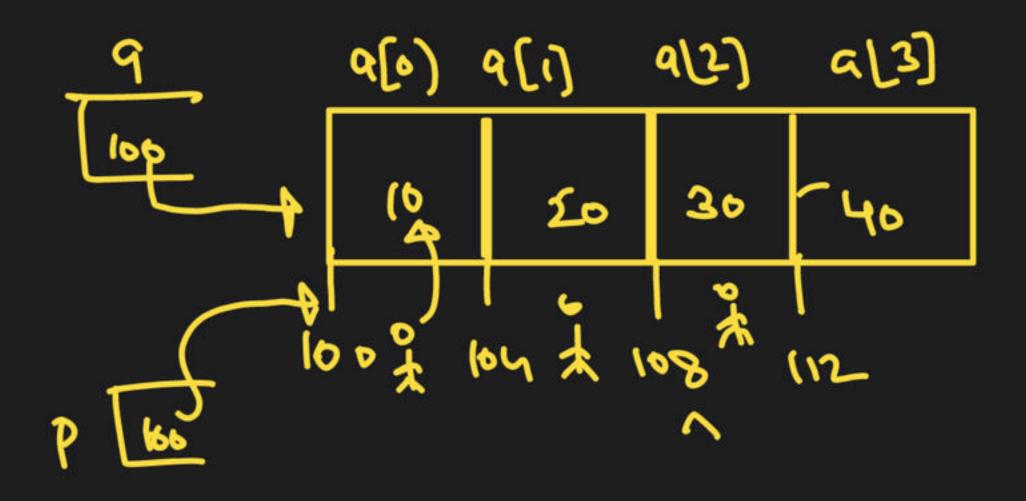




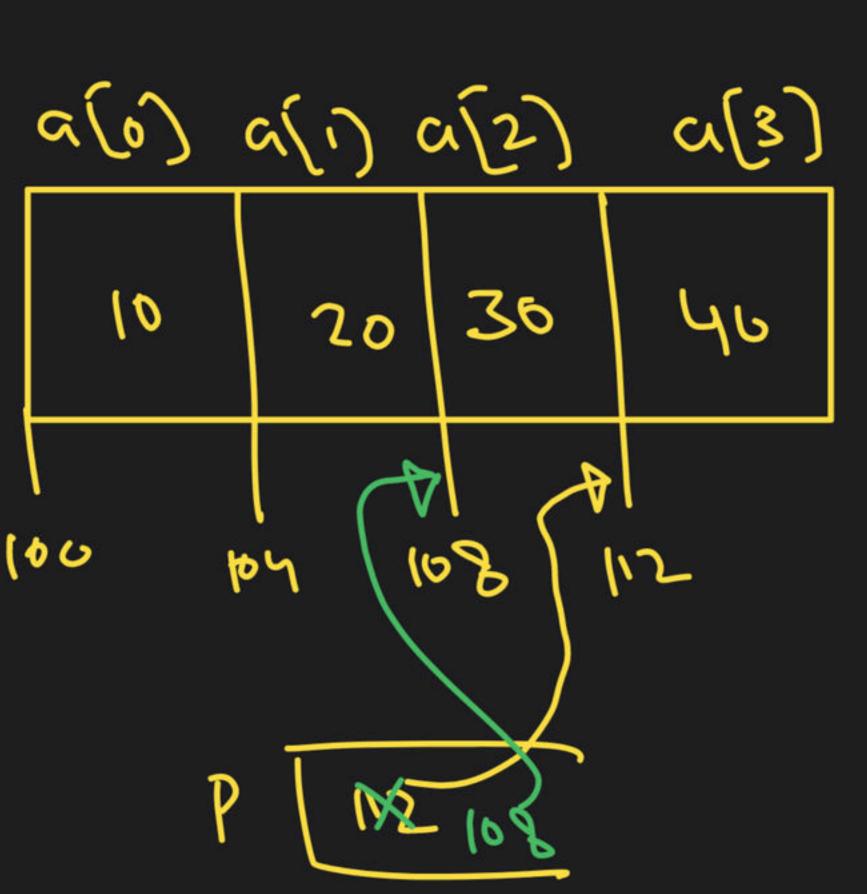
Int 
$$a[4] = \{10,20,30,40\};$$

int  $p;$ 
 $P=a;$ 
 $pf("./.d",*(P+3));$ 
 $pf("./.d",*(P+3));$ 

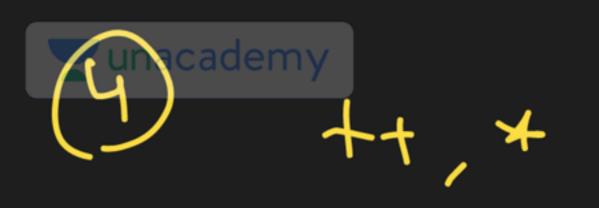
17 Lunacademy = {10,20,30,40}; int > P; P=a; らく("・ハ・マ")」(カナイは) Þチ("-1. ~", +(ア+の); 20 ヤト("·1·ぶ、 ~ ( P+21); 30 Pf ("./.~", \*(P+31); 40 ff("./.a", P[0)); Pf("1.1", P[1); þf("-1.a", þ[2]); bt (" \ " " BICO));



int a(4) = {10,20,30,40}; int \*P = 2 a[3];



Deinter + Pointer 2) ++ Pty, -- Pty, Pty++, Ptx--3) Pt++3 => valid (moving 3 locations in forward Airetion) 4) Per-3 -> valid (Moving 3 loc. in back ward director)



 $int = \{10,20,30,40\};$ int \*P=la(o); 1+\*P; -P+("-1.2"(\*P), + + ( \* b) ii) \*P = \*P+1: ii) Use \*P (useless) \*(P++);

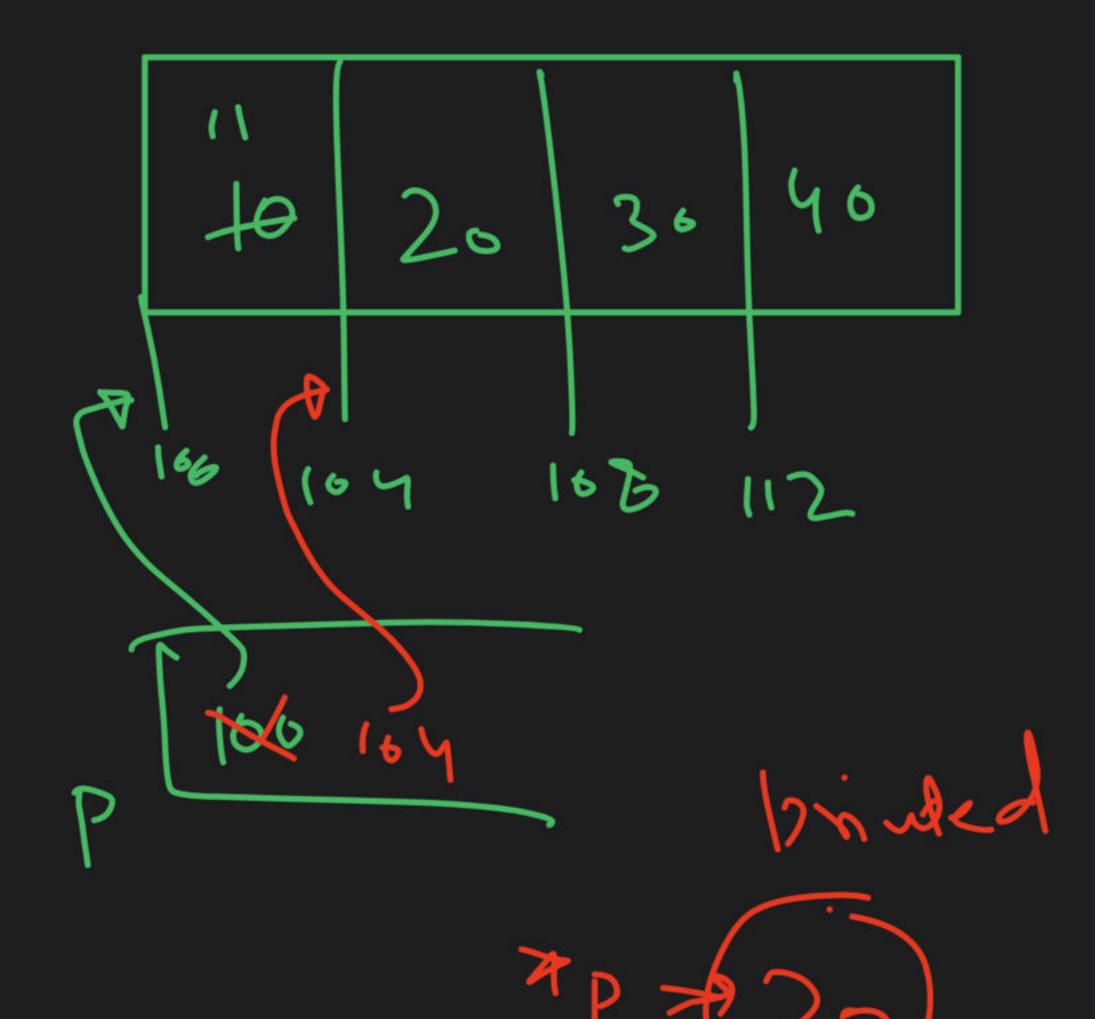
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\* (P++)

il vse (P)

Assign X Minutx
220

ブ) Pニアナ1



9(2) a(i) 9[0] q(3)76 46 100 801 loy ++ (\*)







## THANK YOU!

Here's to a cracking journey ahead!