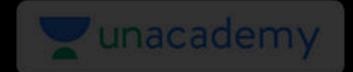




Arrays & Pointers - Part VIII

Comprehensive Course on C- Programming

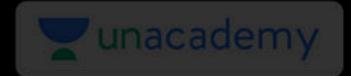


CS & IT Engineering

C Programming
Arrays & Pointers-VIII



By- Pankaj Sir





Topics

to be covered



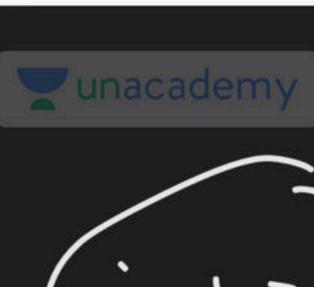
Arrays & Pointers-VIII

20 | 30 40/ 50/ 60 Void main(){ Void fun(int (*P)[3)) int a[2)[3] = {10,20,30,40,50,60}; tun(a); ba(1) Pf(".l.d.-|.d.-l.a", a[o][o], a[o][l], bf("·/·a") x ((·r+1)+1)) 9[8)[2]);

unacademy

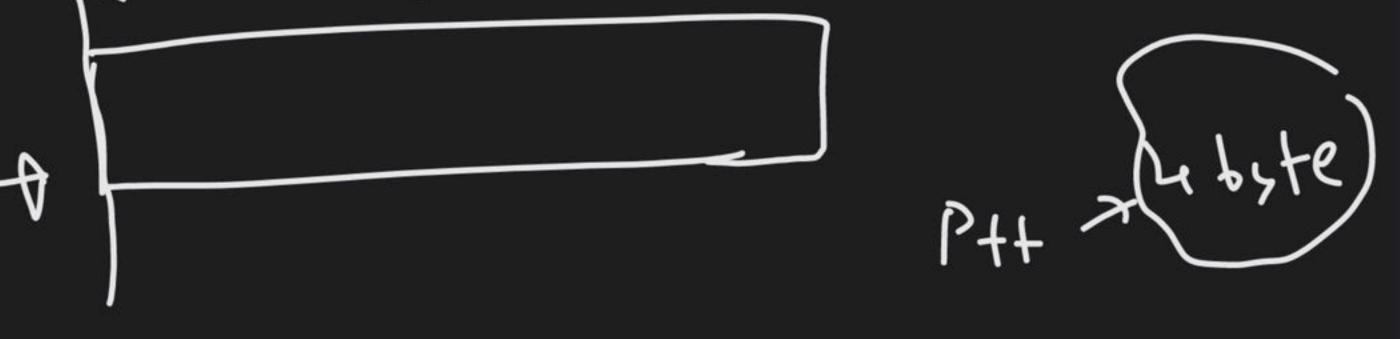
$$P = Aa[i]$$
 $P = Aa[i]$
 $P =$

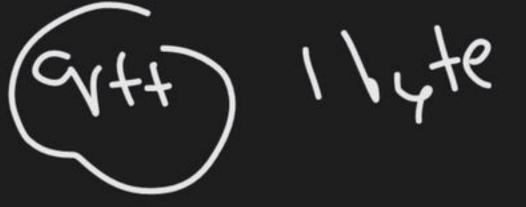
= 9(1)(2)











256+32+844 mt a = 360; MSB P = (chai) & a; 0000000610010100 60 00 6600 00000000 602 Lyberas Ling 1600 1663 1601 Printf ("-1.d" *P); 44

unacademy

128+32

the a = 160; Char P; P = (chai) da; >nnf(".(a', *());

06000000 00000000 00000000 10100000

int a(2) = {10,26,30,46,50}; An array of 5 Bointer to integer int * P(z) = { a+1, a+2,a, 20 9+3,9+43, p[1] p[2]

unacademy

(h) (2)
(h) (+p)() (int) add (int, int) P is a pointer to function that takes no argument and it return a integer value.

(*P) (int, int); Pisa pointer to function that takes two integers argument and it returns an integer value. (6) int (*p)(char*); Pisa pointer to function that takes a pointer to char as argument and it return an integer.

1) (n) (int *);

Pis a pointer to dunction that takes a bointer to integer as argument and it returns an integer.

unacademy

Function Bointer (Pointer to function)

al: Can we pass a value to a function.

int a=10, b=20, result;

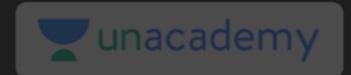
result = add (9,b);

2 una (demy we pass on address to a function.

int a (4) = {10,20,30,40};

fun(a);

#include (Stalioty) void tunnis Af ("He(10"); Vold main() for();



int a=10; float b=9.8

int *pty;

Hand the second of the s

How to declare a pointer to function (function pointer).

int Add (int int); ② (*ア) (int, int); → 「 function that takes 2 integers as grg. d it returns an

integer.

The Add (int, int); V Add (10, 20); => (+P) (10,20) Vold main (){ int (*P) (int int); P = 2 Add; Don't ("-/.d", (*P)(10,20));

included statio. h> int add (int n, jut 4) { イベヤット x + y; } int sub (int a, int b){ return a-b; int Prod (int a jut b) return atb;

Void main() { int (*p)(int,int); P = Lada; pf("-1.d", (*P)(10,20)); P=lsu; Pf ("-1.d", (*P) (10,201); P = LD mod; bf('./.a", (*P)(10,20)); (1) P - & qad

(*P) (10,20)

(2) P = add

 \Rightarrow

(*P) (10,20);

(3) P = Cadd

7

(P) (10,20); (P) (10,20);

(9) P= Law

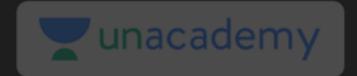
しく

array of Roll hame add. Nompas Sork (Arragy) (a mogarsien

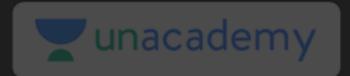
(eJD 9[1) 9[2) 1nf a[4) = {10,20,30,46}; 10 26 30 int *P[4) = {a+3, a+2, a+1, a}; 106 ١-(٥)٦=(٥)٩١ ا العر 65[3]-1 fa(2) | la[1) | 49[2) 「おこい」 P[2] Pf("-1.a', y); (「リューアしの)ーアしり) Pf("-1-a", * P(0))(30) 18 P - 168 29[2)

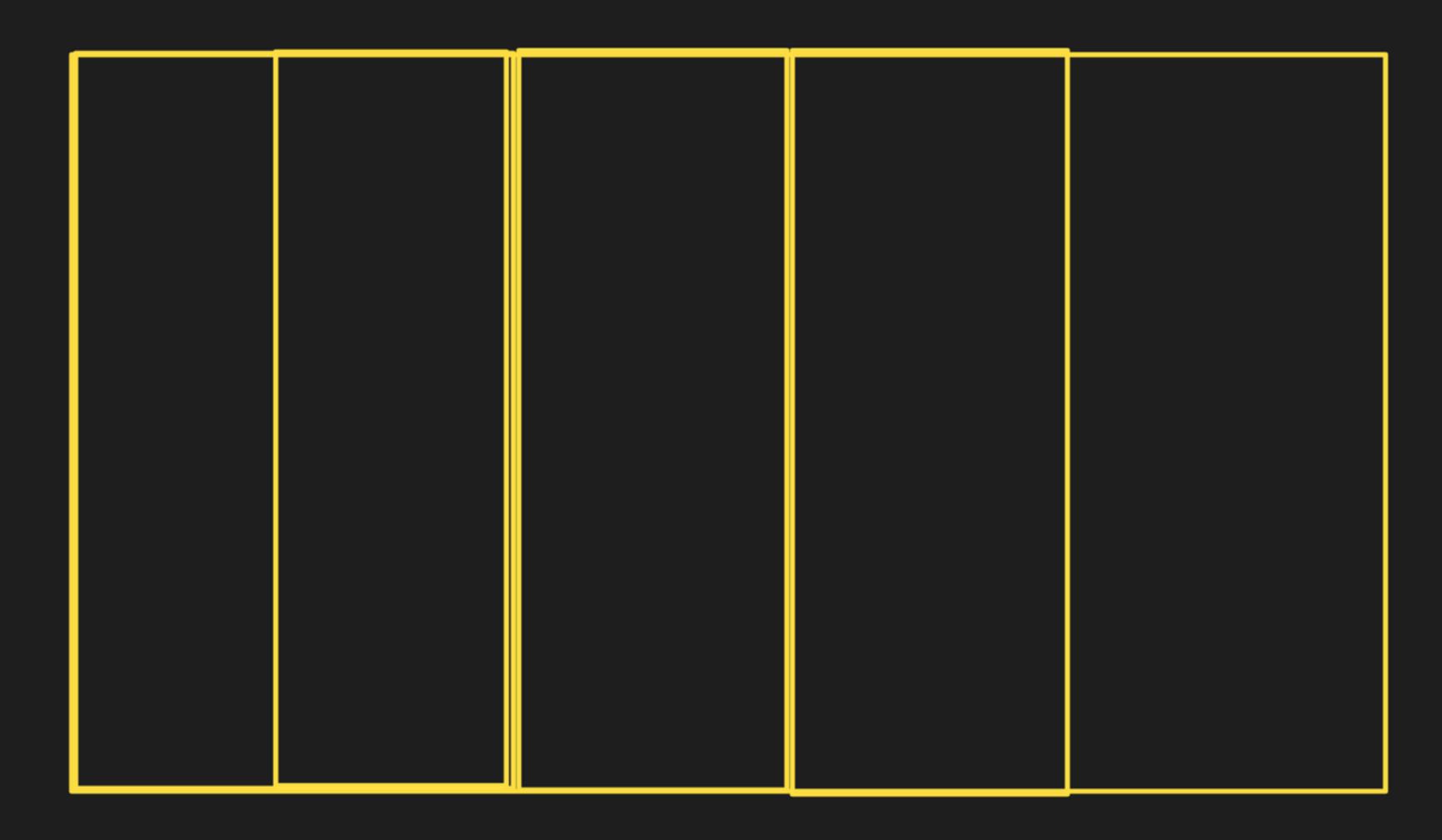
व[४]

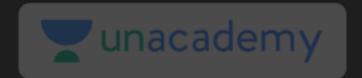
[a(a)



Comp Problems solving 50 Questions weck +1 spein













THANK YOU!

Here's to a cracking journey ahead!