



Arrays & Pointers Part - II

Comprehensive Course on C- Programming



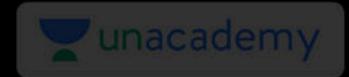
CS & IT Engineering

C Programming

Arrays & Pointers Part-02



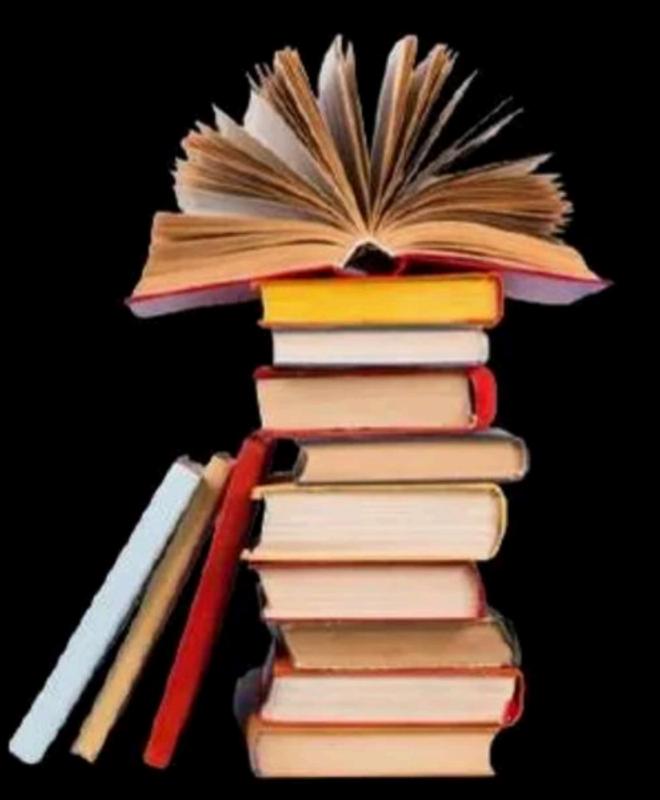
By- Pankaj Sir





Topics

to be covered



1 Arrays & Pointers Part-II



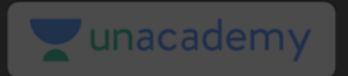
int a, b, c;

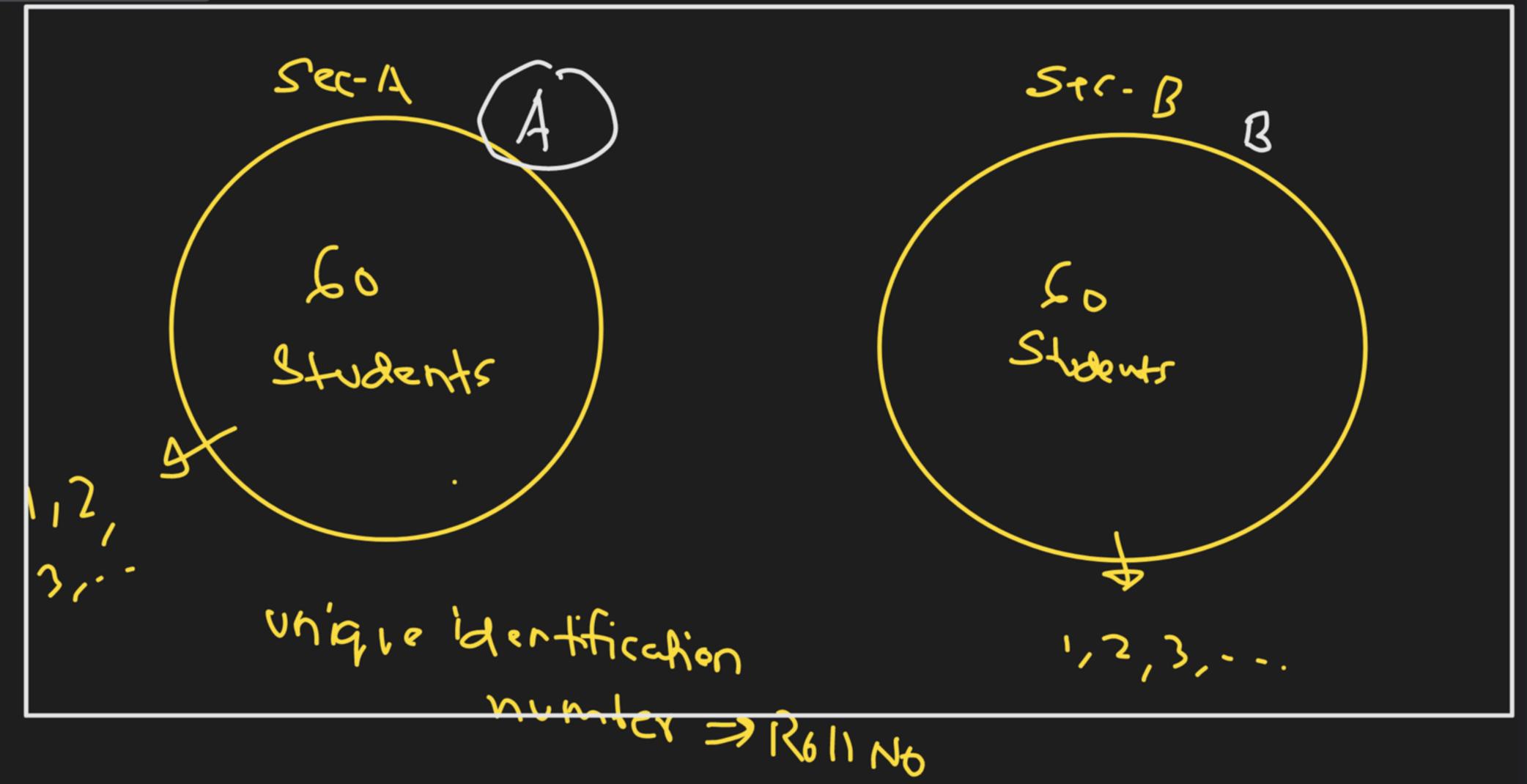
int a[3); nonto/collection

a



VAII 3 elements are represented by same name/entity.

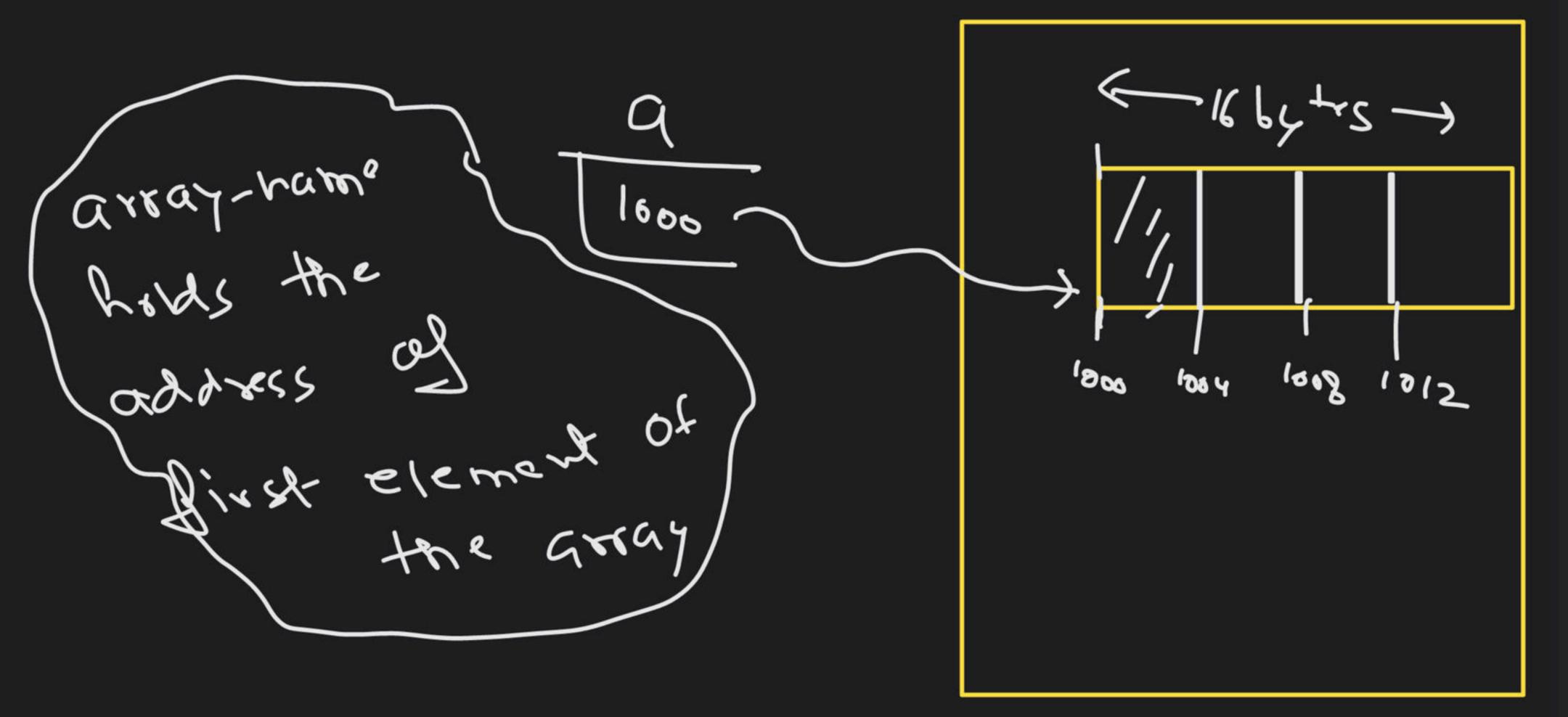




int a [4); 16 a[0]=10 A[2) = 3m'3 de mul (unique

2hd 3rd cle 4 hele. C Brogsom p

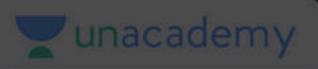
int 9[4]; a 000 400 8001 4008 1612 array name dirst element of array inacidemy a [4];



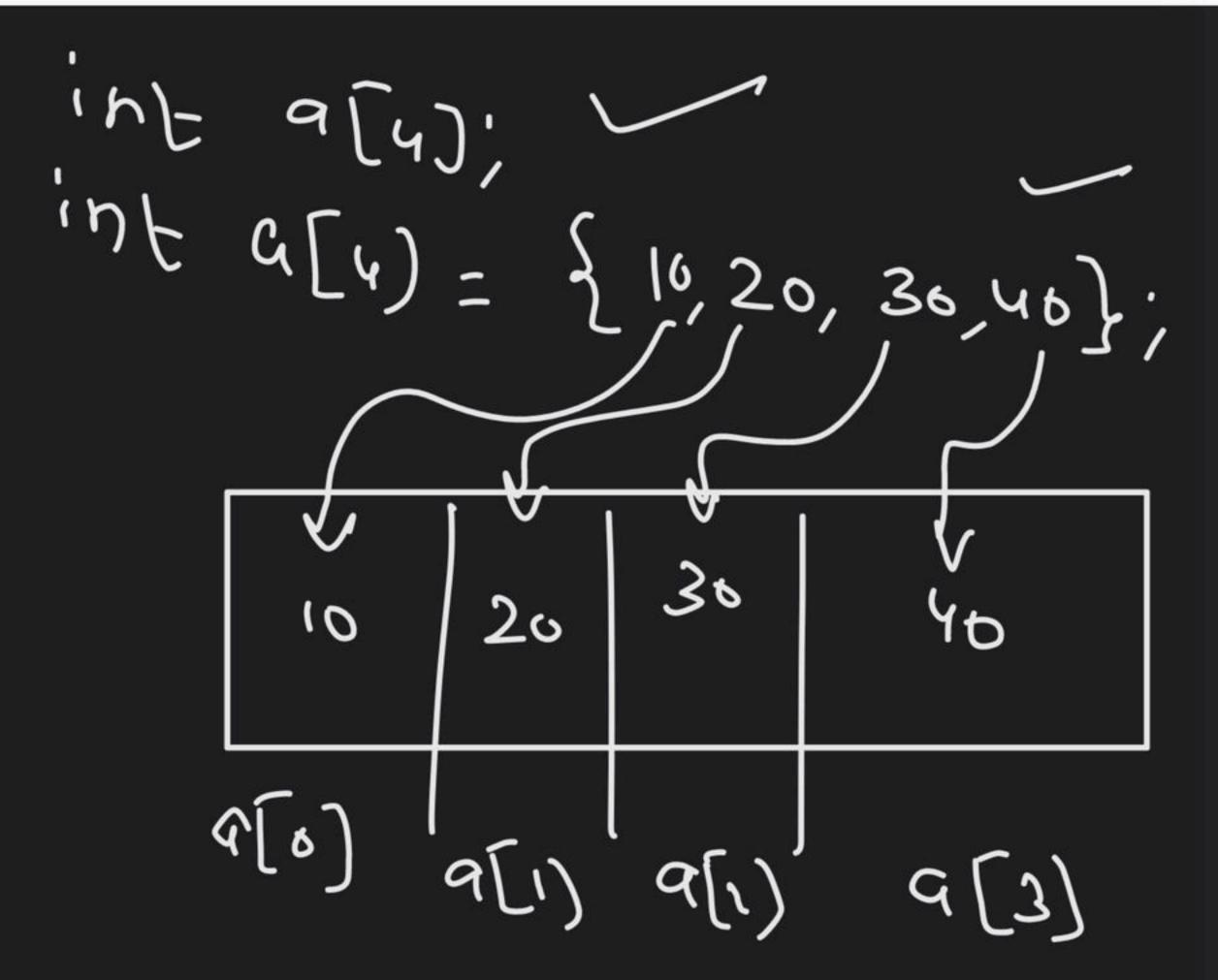
Turacidemy main () } int a. Print(".1.d",a); 6 alouge

Void main(1) int a [4); Printf ("./.d", a[0));)a,b,c,d; Ly variables

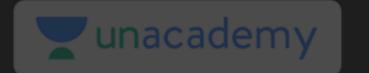
٩[٥),٩[١] ٩[٥),٩[١) int a[H); 9[1) 9[2) 9[3)



int a=1; 3 mithalization



a[4] = {10,20}; (0 م [م) ا م [ن) ا م (ع) ا



int a[];

Invalid? group size. Re Jack Pargy 79

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Dint a[]; Emor

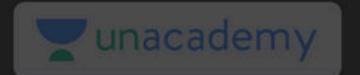
(2) int a[] = {10,20,30}; ~30

(a) 1/h = (b) = (c) = (c

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SIZE inf o[2+5]; int a[243);~ a [Lx x size of (int));

Halefine SIZE 10 void maining int a [SIZE];



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A[SIZE]

A [SIZE]

Loot

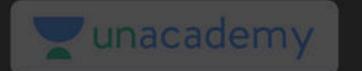
unsigned int >6



dec/aration Collection of Similar Hariac = into types of 122 Combiler ekments



array_name = constant.



Aregy-hame = Cohstant Lvalve X

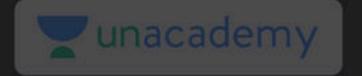
1 Invalid
Emor

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2 = 10; Lvalue = Rvalue must be some variable.

(1) Array-hame can not be Lvalue cet any assignment statement. void main(){ int a[4)= {10,20,30}; print("./d" a[o]);

void main(1{ inta[4); a - {16,20,36}; 为ナ("·/·d",9[6)); an't le Lvalve



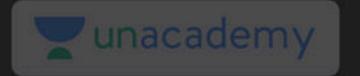
in/-.a. int 9.[10);

Main(1 Sunaina int a; int a [16]; Array-name => (onstint. 5++ - 47 maggy

N-may-rame ++ 4+ Array-name Invalid. -124-pame ---- 1-/may-name

2) Elements are stored seq. one after another. 3) Purpose = n Relative addressing. 4) Treat-value => (enstant. 5) Arrane => Noon of its first element. 6) Array-hame - (); Anvalid Array-name can hat be Lualue for an assignment statement.

macademy Array-rame Array-hame ++ 3hvalid. -- Heory-name Lixxay-hame-int Al); Dhralia.



Jules

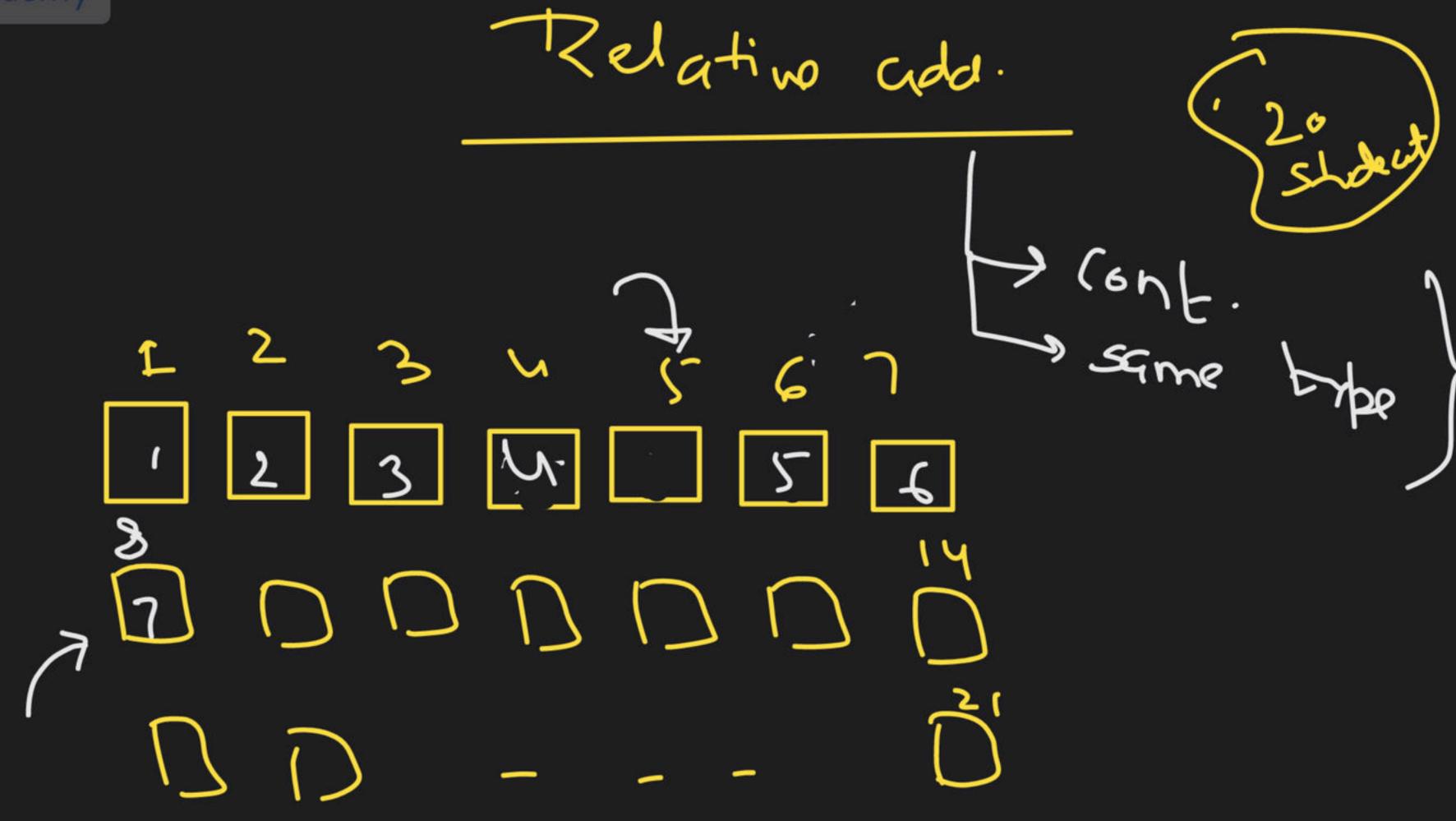
E Mills

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Array concept.

int a[10] = {10,20}; int a[h]: {10,26,30,46}. manyariablus

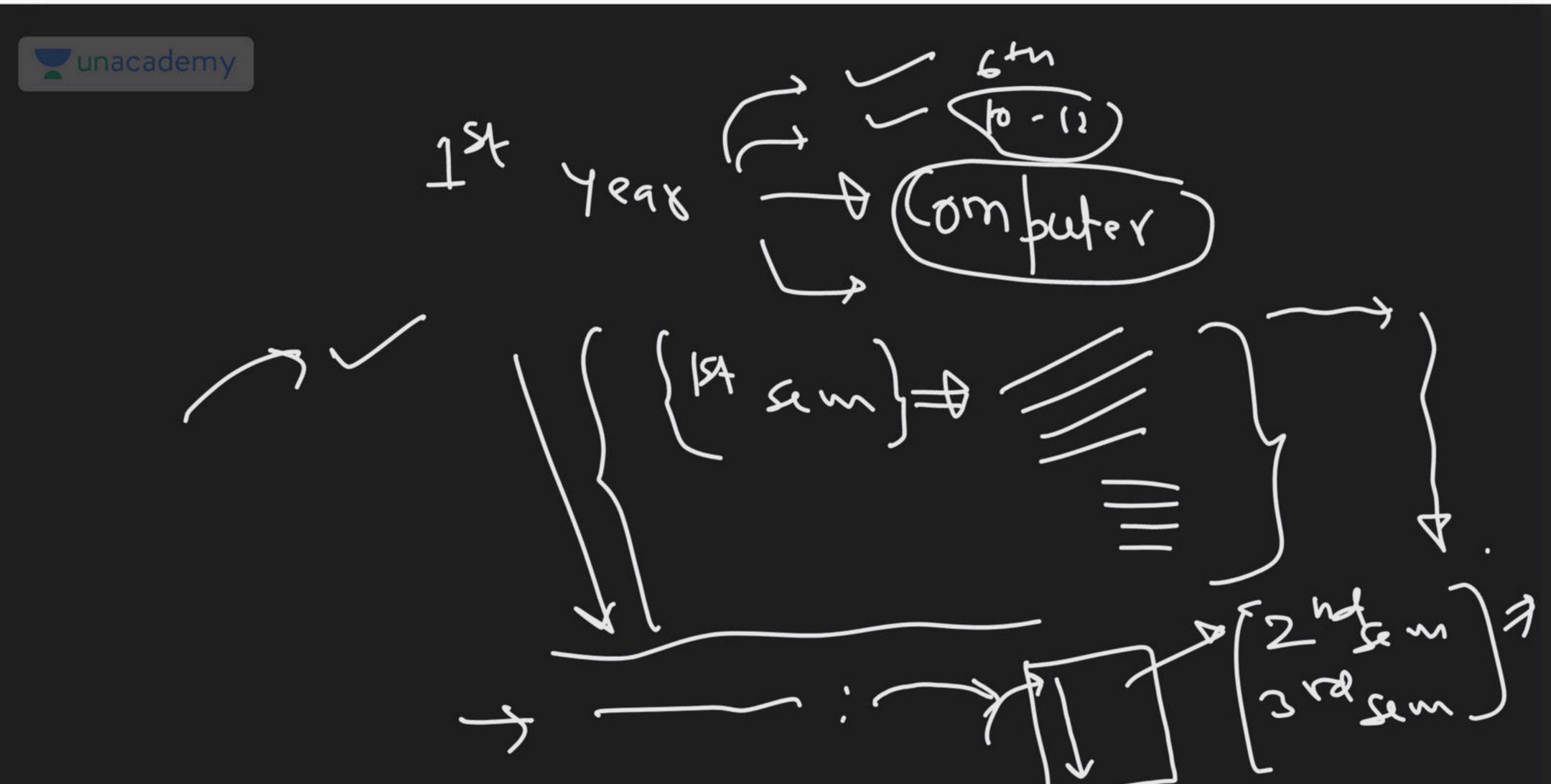




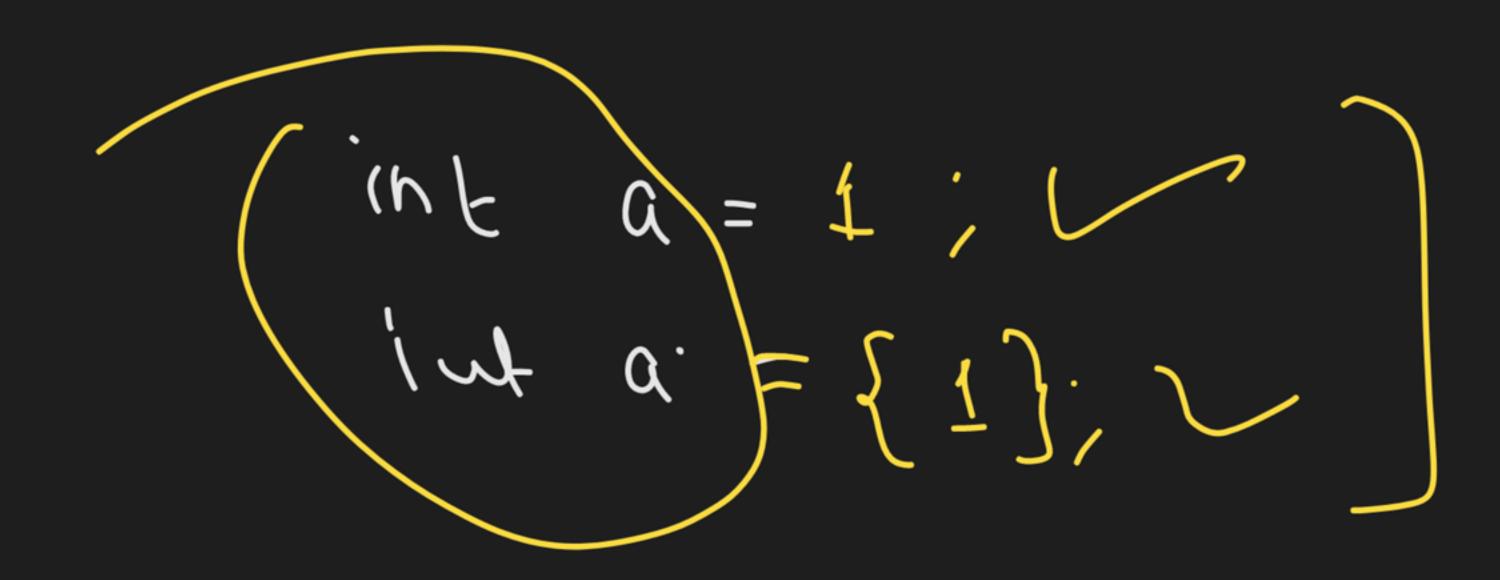
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int
$$q = 1$$
; walid

int $a = \{1\}$;

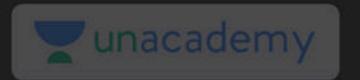






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Nu nable Aditya 19 ma 6/8 Constant



1-1809y => Constant => Constant +1

Array-name ++

9[2]4+,







THANK YOU!

Here's to a cracking journey ahead!