





Introduction

Course on Data Structure



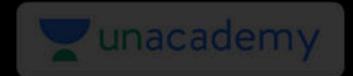
CS & IT Engineering

Data Structure

Introduction



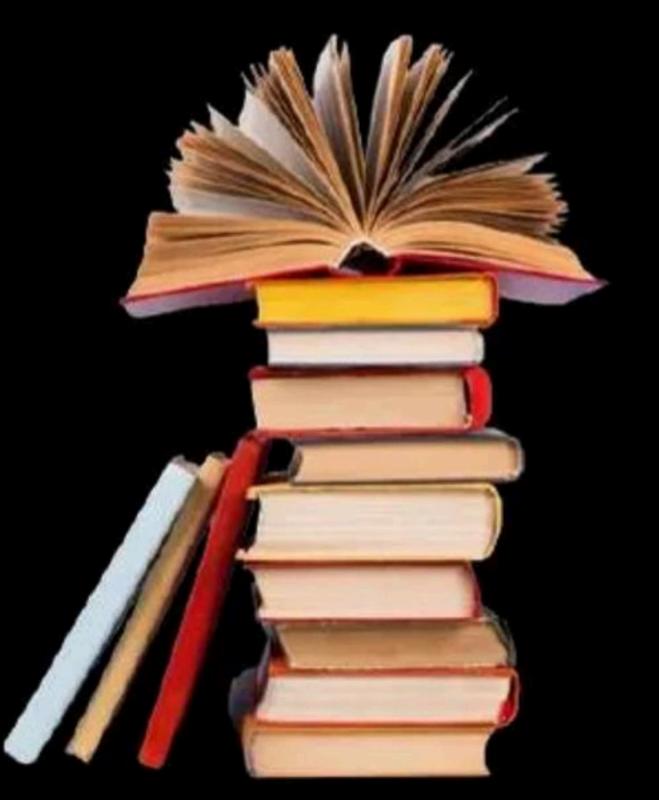
By- Pankaj Sir





Topics

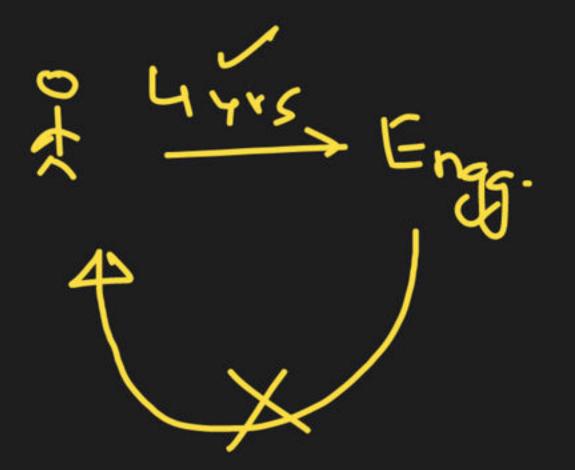
to be covered



1 Introduction



Data Structure



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Data Structure

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OTP

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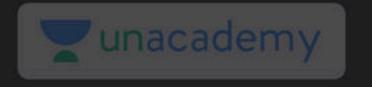
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Dictionary > 50x ted -> Search (3 Lacs)

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Data structure

Linear data structure

Non l'inear data structure

A data structure in which an element can have admost.

2 neighbours.

Possible to have more than 2 neighbours. Linkar data structure 1) Arrays of appress calculation 2) l'infred List + Cooke 3) Stack
4) Queue

Hashing.

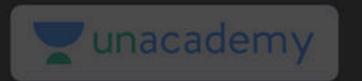
Non Linear data Structure

1.) Tree Binary Tree

35T

Heap

Av L tree



15 min - 90 Min

Gate (S)

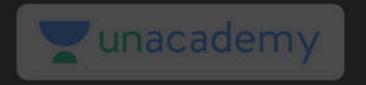
Hessete
Lycoding (455)
05:30
Ly Chog-

08:00 LA DS Ankrys + 4-5 Lectures. L.L & 5 1 ctures Stack Laveur -85 dec. Trees - 9-10 lecture Hashing -> 2 lect. Craft - 4 1/ect.

3.2 -3 month (Min. 46. 0f Phyramming - Amys, Pointers, structures

3 lect.

request -> ____



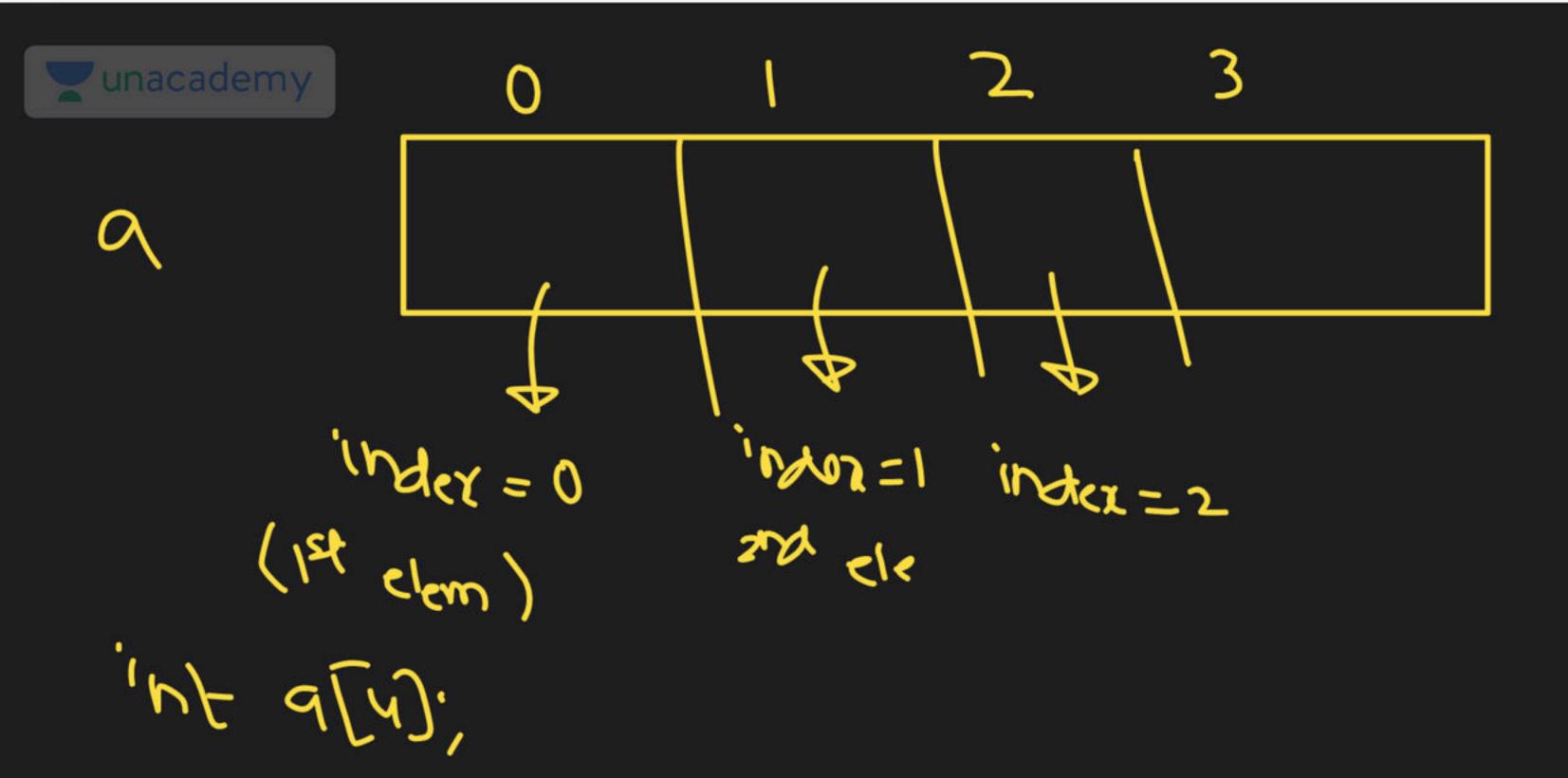
Array

1.) Elem. are stored seq. one after another in memory.

2.) Collection of Homo. Expes of elements.

int a [10); cher c(2);

('index) 3) To alless 'that elements -> Unique identication Number (Ro11 No-) In (Index states from 0.

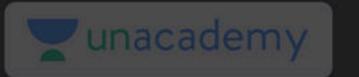


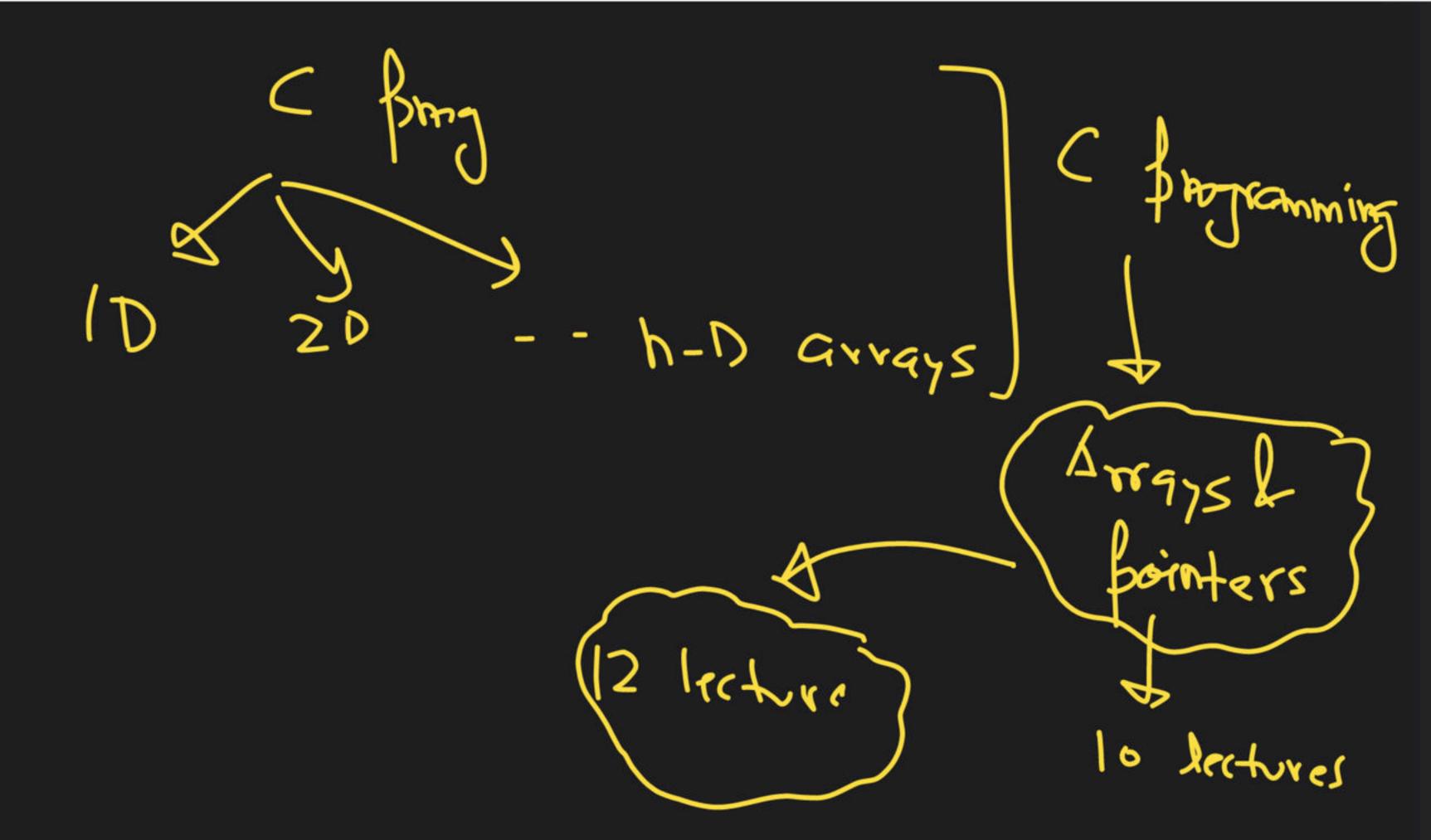


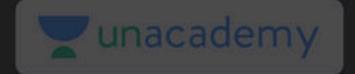
$$a = 10.$$
 $b = 30.$
 $c = 10.$

$$\frac{10 | 99}{1 | 2}$$

$$a[6] a[1] a[2]$$







Arrans - 1 05:30 pm







THANK YOU!

Here's to a cracking journey ahead!