

DSA SERIES

- Learn Coding



Topic to be Covered today

Binary Tree



LETS START TODAY'S LECTURE

(Lecture - 48)

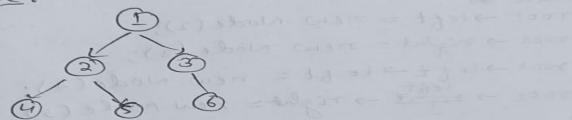
Binary Tree Basics



It is a hierarchical data structure where:

- · Each node how almost 2 children by left child & Right child
- . The top node is called the root.
- . It the node has no children it's a leaf node.

Example:-



Basic Node Structure in C++;

include < bits/stdc++.h>
using namespace std;

struct Node {

int data;

Node * left;

Node * right;

Node (int val);

data = val;

left = right = 1

Each node stores:

- · Value
- o pointer to left child
- · pointer to right child

For Example Building a simple tree!

int man(); mable and about all

Node * root = new Node (1);

Dearters root > left = new Node (2);

root -> right = new Node (8);

root - left - left = new Node (4).

root - right = new Node (5);



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THANK YOU