

C++ LAUNCHPAD



Lecture-17

Data Structures

- Binary Trees

Deepak Aggarwal

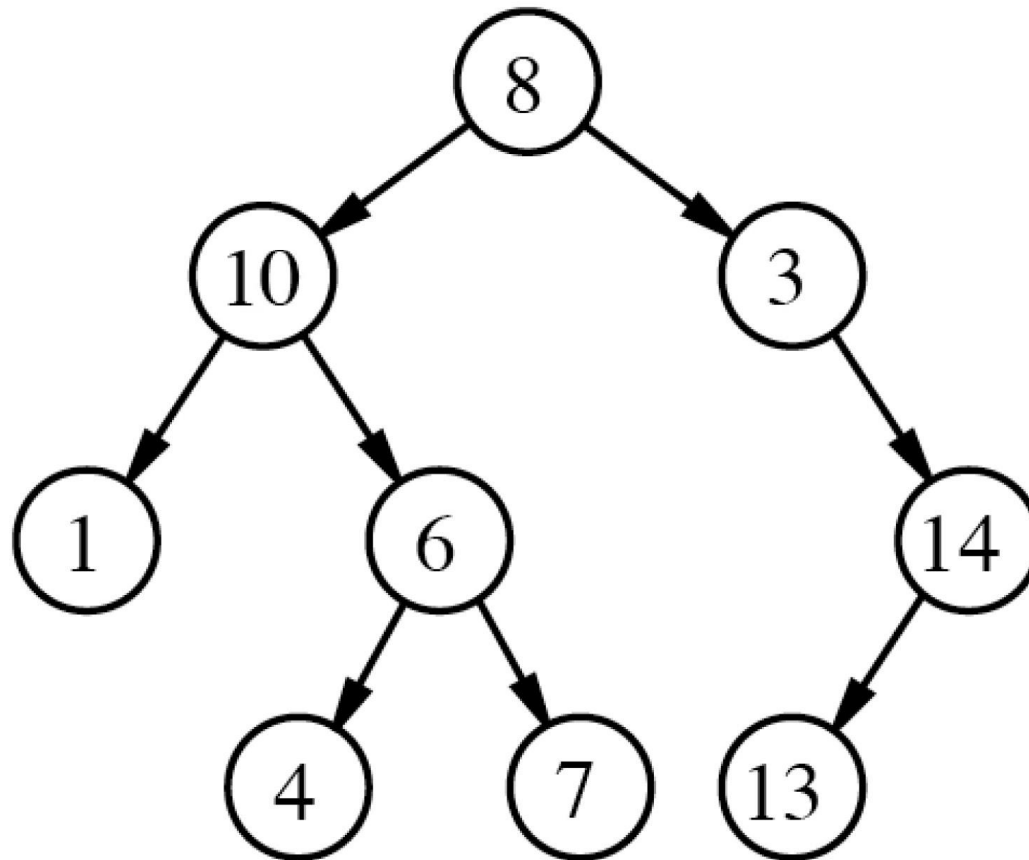
deepak@codingblocks.com

Any Doubts?



Binary Trees

Binary Trees



Binary Tree Node

```
class node{  
    int data;  
    node *left;  
    node *right;  
}
```

Input & Output

1. Take Input
2. Print

Lets discuss a problem

1. Count number of Nodes
2. Find diameter of a binary tree

Your Turn

1. Find a node in Binary Tree
2. Mirror a binary tree

Another Traversal for Binary Trees

1. Inorder Traversal

Building tree using Preorder and Inorder traversal

Building tree using Postorder and Inorder traversal

Building tree using Preorder and Postorder traversal

C++ LAUNCHPAD



Deepak Aggarwal