

Saturday, 26 March
16

Crux

Lecture -17

Data Structures -5

Trees -2

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Last Class Doubts ?

Last Class Problems ?

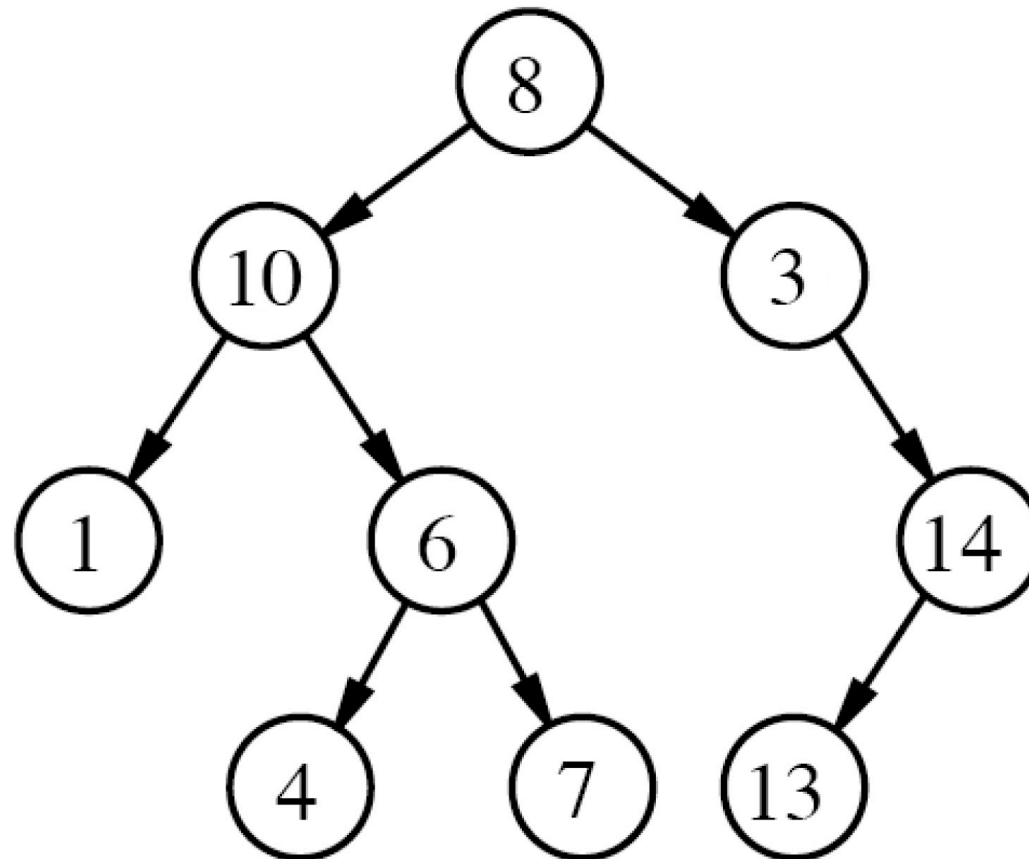
A tree walk or traversal is a way of visiting all the nodes in a tree in a specified order.

Lets code these tree traversals

1. Preorder Traversal(Recursive)
2. Preorder Traversal(Iterative)
3. Postorder Traversal
4. Levelorder Traversal

Binary Trees

Binary Trees



Binary Tree Node

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


Lets see how to input and output Tree

1. Write a function to take tree as input from user
2. Print out a tree

Lets discuss a problem

1. Find diameter of a binary tree

Your Turn

1. Height of the tree
2. Find a node in Binary Tree
3. 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



Thank You !! 😊

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