Friday, 8 April 16

Crux

Data Structures -5

Trees -2

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CODING BLOCKS

Last Class Doubts ?

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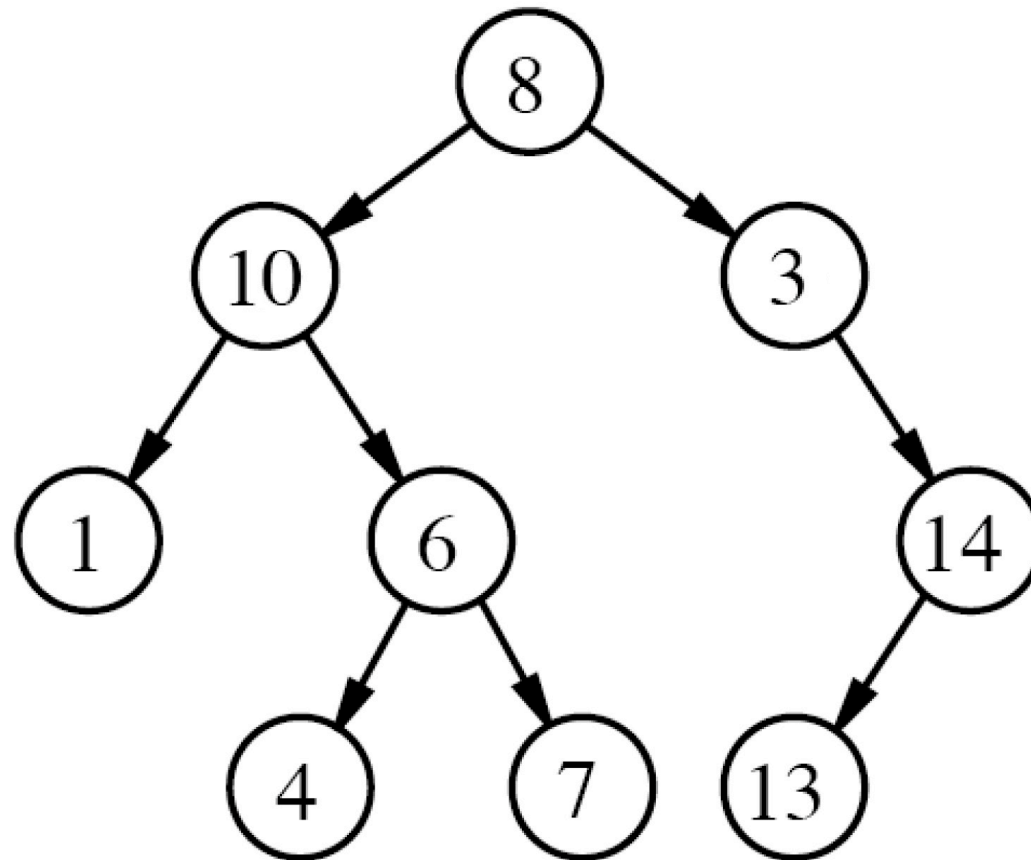BLOCKS

Last Class Problems ?

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

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Lets code these tree traversals

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

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Binary Trees

CODING BLOCKS

Binary Trees

Binary Tree Node

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

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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

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Your Turn

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

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Another Traversal for Binary Trees

1. Inorder Traversal

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Building tree using Preorder and Inorder traversal

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Building tree using Postorder and Inorder traversal

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Building tree using Preorder and Postorder traversal

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Thank You !! ☺

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