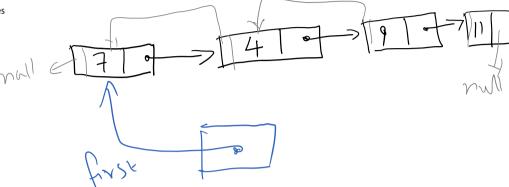
Assignment01 LinkedList

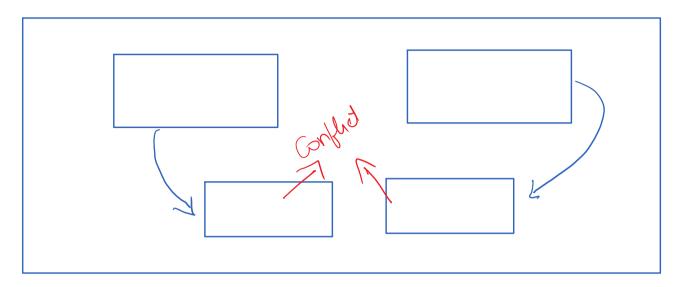
Thursday, May 21, 2020 2:58 PM

- Create a class to represent a Linked List
- A Linked List should support following operations

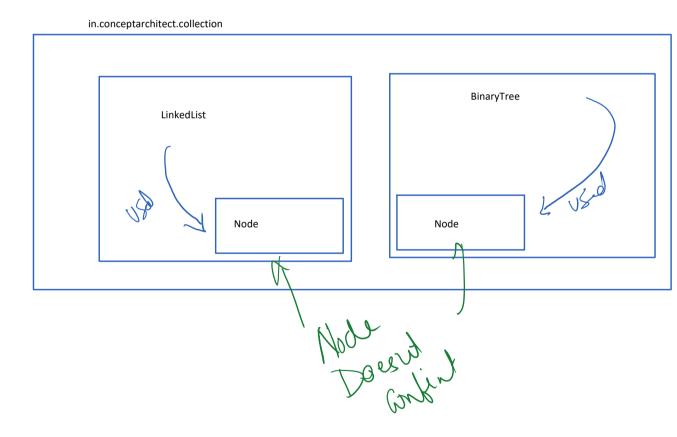
 - add(int value) //Adds to end of the List
 get(int pos) //get a value from a given position
 set(int pos) //set a value to a given position

 - o size() //returns the size of the list
 - o remove(int pos) //remove the value from a given position
- Create the necessary classes
 Write a main function to test its functionalities





A class to can act as a Package to separate class name visibility



When should I user inner class

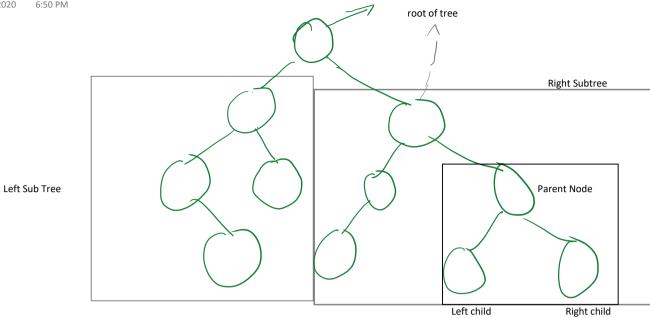
- The outer class uses the objects of inner class **exclusively**
- The inner class object is not directly utilized by anyone else
- The only purpose of inner class is to support the outer class

Not every child component should be inner class

- A car contains tyres
- But a Tyre has independent existence and manufacturer
- We will not define Tyre class as inner class to Car

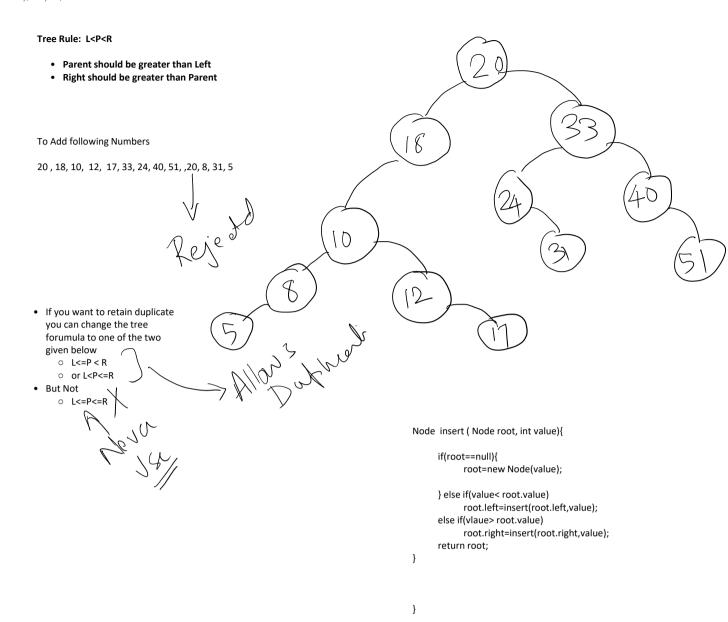
BinaryTree of int

Friday, May 22, 2020 6:50 PM



BinaryTree Create Rule

Friday, May 22, 2020

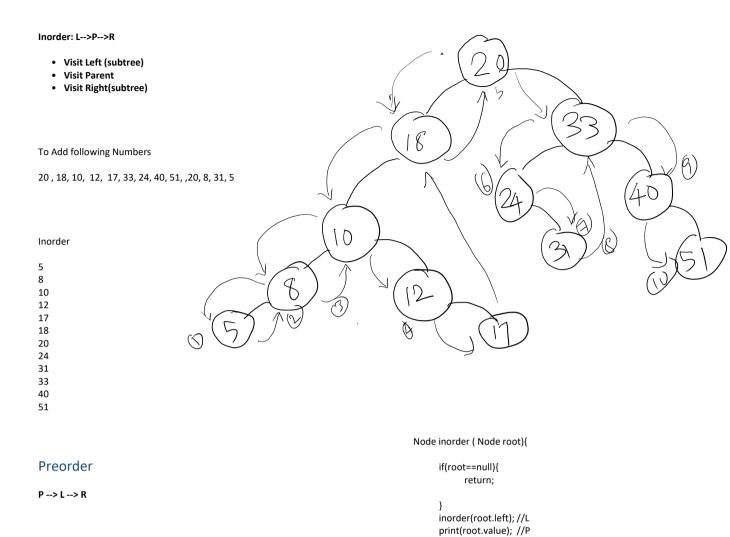


BinaryTreeAccess Rule -- Inorder

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Preorder

L --> R --> P



inorder(root.right); //R

}

Assignment 02

Friday, May 22, 2020 7:10 PM

- create class BinaryTree to store integers
- Implement operations
 - $\circ \;\; \text{Insert}$
 - o Inorder
 - o Preorder
 - o Postorder