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// Calculating the height of the Binary tree using recursion

public class Height {
        static class Node{
            Node left;
            Node right;
            int data;

            public Node(int data) {
                this.left = null;
                this.right = null;
                this.data = data;
            }
        }
       public static int Height(Node root){

// Base case

         if(root == null) {
           return 0;
         }
         int leftHeight = Height(root.left);
         int rightHeight = Height(root.right);
         int myHeight= Math.max(leftHeight, rightHeight)+ 1;
         return myHeight;
       }
         public static void main(String[] args) {
            Height c = new Height();
            Node root = new Node(1);
            root.left = new Node(2);
            root.right = new Node(3);
            root.left.left = new Node(4);
            root.left.right = new Node(5);
            root.right.right=new Node(6);

           System.out.println(Height(root));
         }
    }
```