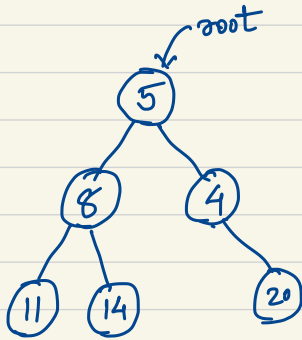


LEVEL ORDER TRAVERSAL - BINARY TREE



LEVEL ORDER
→ [5]

→ [8, 4]

→ [11, 14, 20]

OUTPUT:

[[5],
[8, 4],
[11, 14, 20]
]

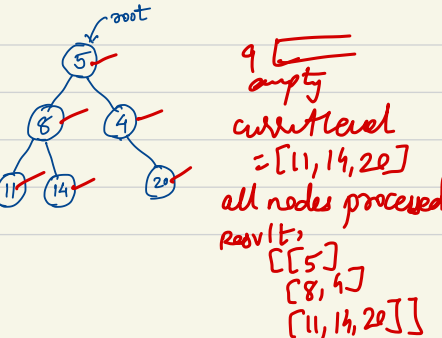
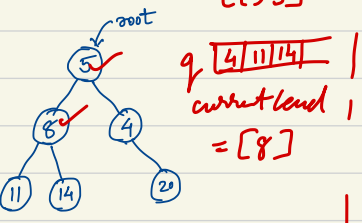
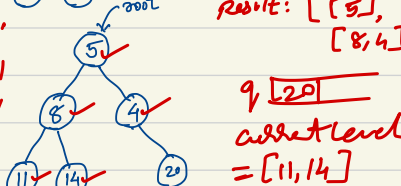
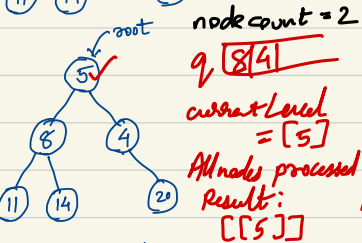
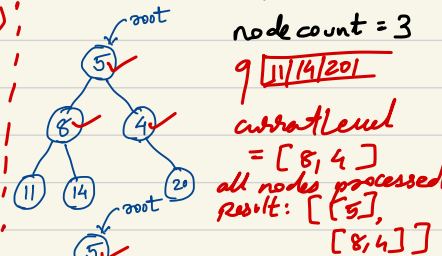
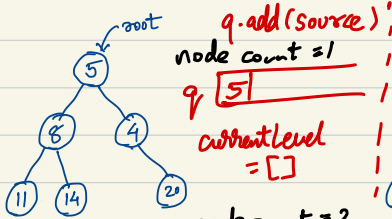
IDEA - BFS TRAVERSAL

KEY POINTS: Node Count taken at each level

→ QUEUE IS PROCESSED LEVEL BY LEVEL.

→ EACH NODE ONCE PROCESSED, PUTS ITS CHILDREN IN QUEUE.

L.L. : LinkedList



ALGO:

```

result ← new LLC;
q ← new LLC;
if root == null RET result
q.add(root)
while (!q.isEmpty()) {
    nodeCount ← q.size();
    currentLevel ← new LLC;
    for i ← 0 to nodeCount-1 {
        current ← q.poll();
        currentLevel.add(current);
        if current.left != null
            q.add(current.left);
        if current.right != null
            q.add(current.right);
    }
    result.add(currentLevel);
}
    
```