Algorithm Prints the elements in the level order fashion **Line By Line**

Require: A non empty tree
Ensure: Each level is printed in a different line

1: **function** LEVEL_ORDER_TRAVERSAL($root$)
   ▷ Queue stores the pointers of the nodes.

2:   $main\_queue.push(root)$
3:   **while** Main Queue is **not empty, do**
4:    **Print**(Here comes a new level)
5:    **while** Main Queue is **not empty, do**
6:     $current\_node \leftarrow main\_queue.front$
7:     $queue.pop$
8:     **Print**($current\_node.data$)
9:     **if** Left Child Exists **then**
10:      $aux\_queue.push(current\_node.left)$
11:     **if** Right Child Exists **then**
12:      $aux\_queue.push(current\_node.right)$
13:    **Print**(This level has been printed)
14:    **Swap**($main\_queue, aux\_queue$)

15:   **Print**(Level Order Traversal finished)