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| level order traversal of Binary Tree  [Level Order Binary Tree Traversal - GeeksforGeeks](https://www.geeksforgeeks.org/level-order-tree-traversal/)    /\* Class containing left and right child of current     node and key value\*/  class Node  {      int data;      Node left, right;      public Node(int item)      {          data = item;          left = right = null;      }  }    class BinaryTree  {      // Root of the Binary Tree      Node root;      public BinaryTree()      {          root = null;      }        /\* function to print level order traversal of tree\*/      void printLevelOrder()      {          int h = height(root);          int i;          for (i=1; i<=h; i++)              printGivenLevel(root, i);      }        /\* Compute the "height" of a tree -- the number of      nodes along the longest path from the root node      down to the farthest leaf node.\*/      int height(Node root)      {          if (root == null)             return 0;          else          {              /\* compute  height of each subtree \*/              int lheight = height(root.left);              int rheight = height(root.right);                /\* use the larger one \*/              if (lheight > rheight)                  return(lheight+1);              else return(rheight+1);          }      }        /\* Print nodes at the given level \*/      void printGivenLevel (Node root ,int level)      {          if (root == null)              return;          if (level == 1)              System.out.print(root.data + " ");          else if (level > 1)          {              printGivenLevel(root.left, level-1);              printGivenLevel(root.right, level-1);          }      }        /\* Driver program to test above functions \*/      public static void main(String args[])      {         BinaryTree tree = new BinaryTree();         tree.root= new Node(1);         tree.root.left= new Node(2);         tree.root.right= new Node(3);         tree.root.left.left= new Node(4);         tree.root.left.right= new Node(5);           System.out.println("Level order traversal of                                   binary tree is ");         tree.printLevelOrder();      }  } |