|  |
| --- |
| class Node  {      int data;      Node left, right;        Node(int item)      {          data = item;          left = right = null;      }  }    class BinaryTree  {       Node root;        int maxDepth(Node node)      {          if (node == null)              return 0;          else          {              /\* compute the depth of each subtree \*/              int lDepth = maxDepth(node.left);              int rDepth = maxDepth(node.right);                /\* use the larger one \*/              if (lDepth > rDepth)                  return (lDepth + 1);               else                  return (rDepth + 1);          }      }        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("Height of tree is : " +                                        tree.maxDepth(tree.root));      }  } |