

Top View of Binary Tree

```
Java

   Autocomplete

              hd = _hd;
 6
              node - _node;
 8
 9
10
      class Solution
11
12 v
13
          //Function to return a list of nodes visible from the top view
14
          //from left to right in Binary Tree.
15
16
17
          public static ArrayList<Integer> topView(Node root)
18 *
19
              ArrayList<Integer> ans = new ArrayList<();
20
              if(root -- null) return ans;
21
              Map<Integer, Integer> map = new TreeMap<();
22
              Queue Pair> q = new LinkedList Pair>();
23
              q.add(new Pair(root, 0));
24 v
              while(!q.isEmpty()) {
25
                  Pair it = q.remove();
26
                  int hd . it.hd;
27
                  Node temp - it.node;
28
                  if(map.get(hd) -- null) map.put(hd, temp.data);
29 v
                  if(temp.left != null) {
30
31
                      q.add(new Pair(temp.left, hd - 1));
32
33 +
                  if(temp.right != null) {
34
35
                      q.add(new Pair(temp.right, hd + 1));
36
37
38
39 +
              for (Map.Entry<Integer, Integer> entry : map.entrySet()) {
40
                  ans.add(entry.getValue());
41
42
              return ans;
43
44
45
46
```