1. This is used to demarcate the boundaries of a linked list so that all elements will be inserted within the chain of those nodes.
2. 1. false, binary search trees are sorted
   2. true
   3. true
   4. false, a node could be a leaf (has no children)
   5. false, a node can only have one direct parent. This is what makes it binary
   6. false, the root doesn’t have a parent
   7. true
   8. true
   9. false, preorder places the root first but maintains the order of the left and right subtree
3. 1. n; 100
   2. log2n + 1; 6 min
   3. n; 99, 0 is counted a s one of the levels
   4. 2 ^ n;
   5. 2 ^ n – 1;
   6. 6
   7. 3

