

6. {13, 6, 60}
  7. {7}
  8. Node 23 has no siblings
  9. Nodes {4, 12, 7, 22} are ancestors of node 9
  10. Nodes {13, 6, 60, 23, 21} are descendants of node 16
  11. Nodes {23, 6, 21, 20, 9, 1} are leaves
  12. Nodes {22, 16, 7, 13, 60, 12, 5} are non-leaves
  13. Depth of node 4 is 3
  14. Degree of the tree is 3
  15. Height of the tree is 4
  16. Weight of the tree is 6
  17. No, it is a triary tree
  18. No, because some nodes only have one degree like nodes {13, 60, 4}
  19. No, same reason as no.19
  20. No, because a full binary tree can have different heights for each subtree.
  21. Yes
  22.  $n^h$  leaves, if  $n=3$  and  $h=4$  then leaves would be 81
  23. The height would be  $\log_n m$ .
  24.  $(n^h-1)/(n-1)$ , if  $n=3$  and  $h=4$  then internal nodes would be 40
  25.  $[(n^h-1)/(n-1)] + n^h$ , if  $n=3$  and  $h=4$  then total number of nodes would be 121.
- If it were a complete binary tree with  $h=3$  then total no. of nodes would be 15.