Q3.3.

Brians the longest path from the node 9 to 9, the diameter of binary tree is the length of longest path between any two node in a tree. This path may or may not pass through the rost. And the length of a path between two nodes is represented by the number of edges between them. Thus, we have dist (9.P) = I and which is the mas value of distance we find in the graph.

So, the diameter of above tree is 7.