![Diagram

Description automatically generated]()

![A picture containing text, blackboard

Description automatically generated]() question to explain.

Ans is 6 as node from 7 6 5 2 1 3 transverse. Longest is diameter.

Here considers root node 2 and 4 on left and 5 6 7 on the right add +1 gives 5 now take a max variable and put max number in them.