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M. Tech (CSE)

DATA STRUCTURE

1. Construct Binary Tree (BT):

i.

PreOrder : A B C D F H J M K E G I L N

InOrder : A D J M H K F C I N L G E B

ii. PreOrder: G B Q A C K F P D E R H

InOrder: Q B K C F A G P E D H R

iii. InOrder: D B E A F C

PreOrder: A B D E C F

iv. PreOrder = { 3, 9, 20, 15, 7 }

InOrder = { 9, 3, 15, 20, 7 }

v. InOrder = { 4, 2, 1, 7, 5, 8, 3, 6 }

PreOrder = { 1, 2, 4, 3, 5, 7, 8, 6 }

vi. InOrder : 4, 2, 5, 1, 6, 7, 3, 8

PreOrder: 1, 2, 4, 5, 3, 7, 6, 8

vii. InOrder = { 2, 5, 6, 10, 12, 14, 15 }

PreOrder = { 10, 5, 2, 6, 14, 12, 15 }

viii. PreOrder : a, e, f, h, g, b, c, d

InOrder = h, f, e, g, a, c, b, d

ix InOrder: D, G, B, A, H, E, I, C, F

PreOrder: A, B, D, G, C, E, H, I, F

X. InOrder: g d h b e i a f j c

PreOrder: a b d g h e i c f j