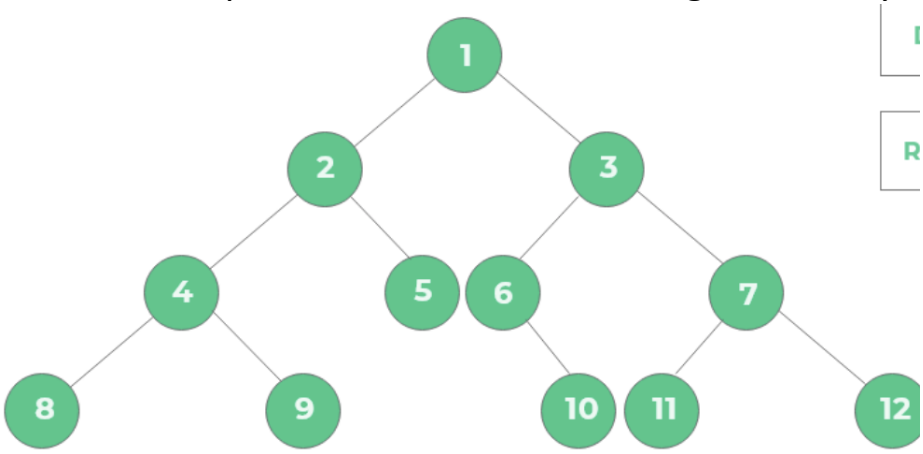
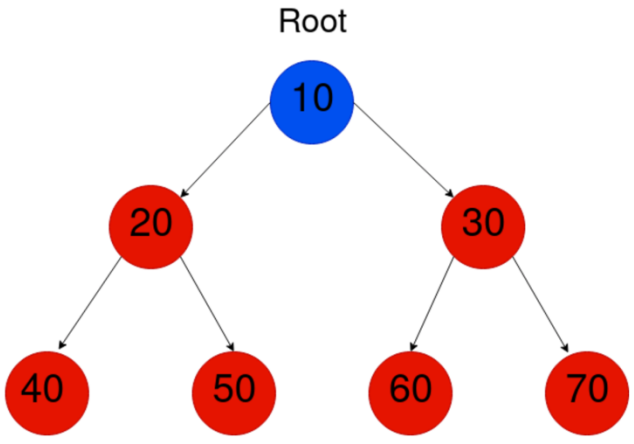
Programming for problem solving II
Assignment – Tree I

Section G
Date: 17/05/2021

1. Find thepre-order traversal on the given binary tree

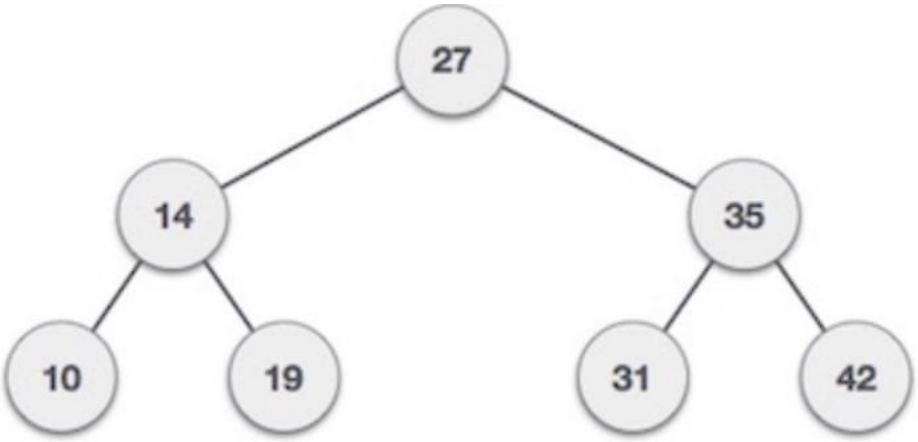


2. Write a C program to implement pre-order tree traversal of a binary tree.
3. Write a C program to implement binary tree traversal



Find out the pre-order , in-order and post-order traversal of the above shown binary tree

4. Write a C program to implement binary tree traversal



Find out the pre-order , in-order and post-order traversal of the above shown binary tree

5. Write a C program to implement post-order tree traversal of a binary tree.
6. Write a C program to implement pre-order tree traversal of a binary tree.
7. Construct a Binary expression tree from the given postfix expression:a + b – c * d % e ^f / g – h
8. Construct a Binary expression tree from the given postfix expression:a – b + c * d
9. Construct a Binary expression tree from the given postfix expression:a + b/c * d – e
10. Write a C program to check if a binary tree is full.
11. Construct a binary tree from the given in order and pre order

inorder : D B E A F C

pre order: A B D E C F

12. Construct a binary tree from the given in order and pre order

inorder : 4 2 1 7 5 8 3 6
pre order: 1 2 4 3 5 7 8 6

13. Construct a binary tree from the given in order and pre order
inorder : 9 3 15 20 7
pre order: 3 9 20 15 7

14. Construct a binary tree from the given in order and pre order
inorder : 1 2 3 4 5 6 7 8 9 10
pre order: 5 3 2 1 4 7 6 9 8 10