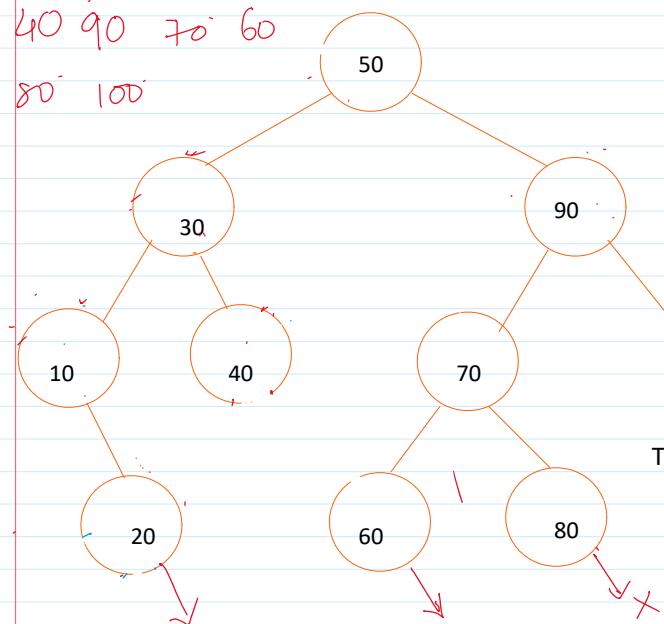


Preorder - PLR

PLR

50 30 10 20
40 90 70 60
80 100



Start traversal from root.

- 1) Printf the trav->data.
- 2) Go to left. But by going to left, we are loosing right node. So if the right node is not NULL, push the address of the right node onto the stack.
- 3) Take the trav to the left, repeat this until trav is not NULL.
- 4) Pop the element from the stack if the stack is not empty.
- 5) Repeat from step 1, as the popped element may have the right and left elements.
Till either the trav is not NULL or the stack is not empty.



```

Struct node *trav = root;

While(trav != NULL || !stack_empty(&S))
{
    While(trav != NULL)
    {
        Printf("%d", trav->data);
        If(trav->right != NULL)
            Push(trav->right, &S);
        Trav = trav->left;
    }

    If(!stack_empty(&S))
    {
        Trav = peek(&S);
        Pop(&S);
    }
}

```