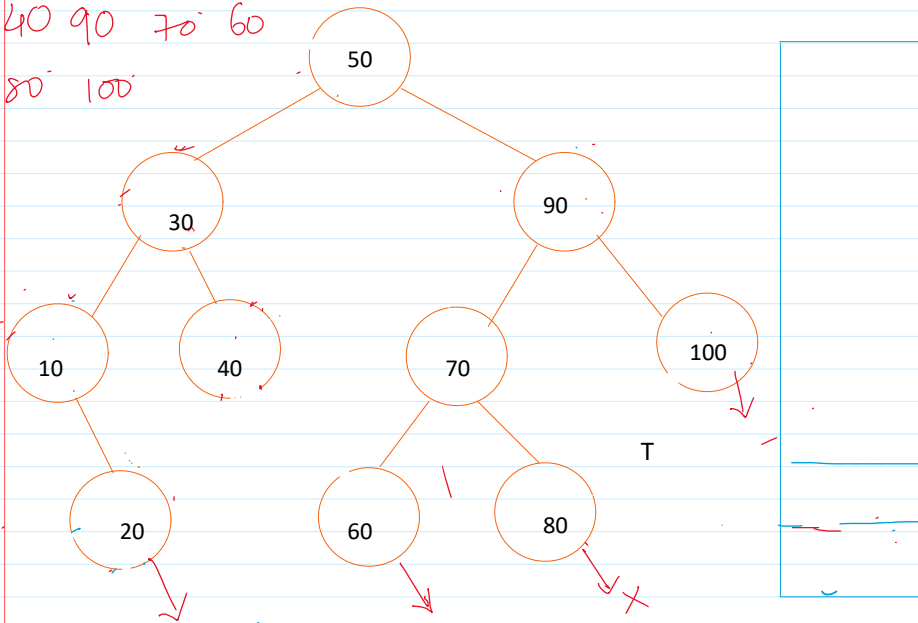


Preorder - PLR

PLR

50 30 10 20
40 90 70 60
80 100



```
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);
```

```
}
```

```
}
```

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.