**BINARY TREE**

It is a type of tree where each node can have at most 2 child

Therefore we will keep below things in a class

* T data;
* Node left;
* Node right;

Data store data of its node and left store address of nodes at left side and right hold the same but at right side

Here leaf node is that who left and right points to null

**There are various way to traverse Binary Tree**

Traversal => visiting each node

* In Order
  + L root R
* Pre Order
  + Root L R
* Post Order
  + L R root
* Level Order

Where

L=left sub tree

R=right sub tree

Root= represent data at that node

1

2 3

4 5 6 7

For above tree

Level order is => 1 2 3 4 5 6 7

In order is => 4 2 5 1 3 6 7

Pre order is => 1 2 4 5 3 6 7

Level order is =>4 5 2 6 7 3 1