Binary Search Tree data structure.



sequential way.





Ordered structure

Efficient searching.

Efficient insertion and deletion.

balance vs un

balanced tree.







Versatile

Applications







Left child is always smaller than parent.



right child is always

greater than parent









addition operations



create a new

node that time.



is less than the

node value-> left





our inserted data is

greater the node





Let's solve an

example.





























Now see for the search operations.













Now, let's see the deletion.

In deletion, we

have three step.

First find the node.

if the node is leaf node, then just

delete it.

it has the two child, then just shift with the max node from the left side, and delete that node.

let's solve an

example.

All the issues are solved at here.

