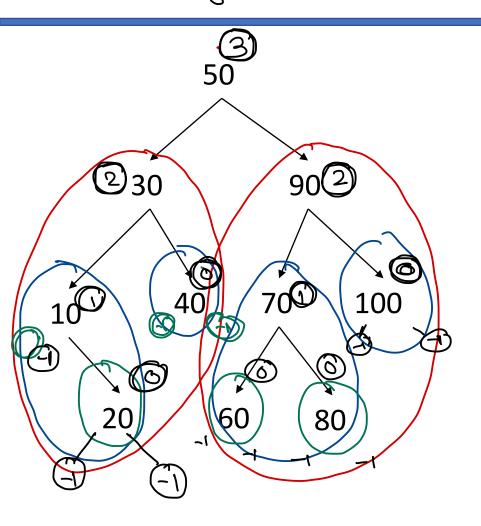


Data Structure & Algorithms

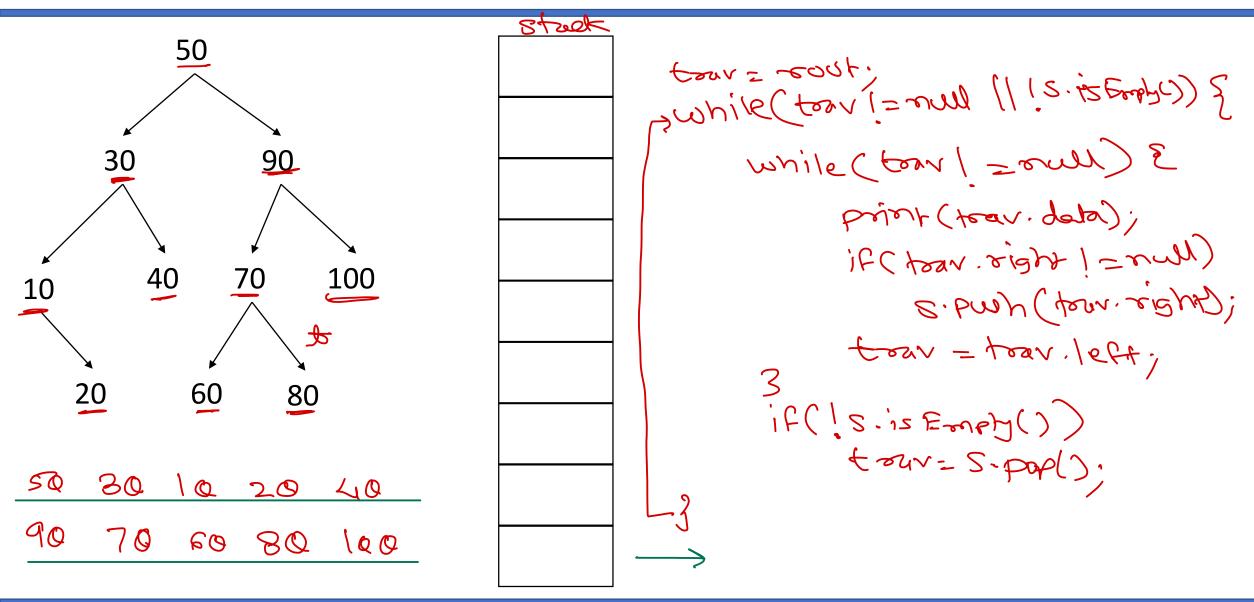
Sunbeam Infotech



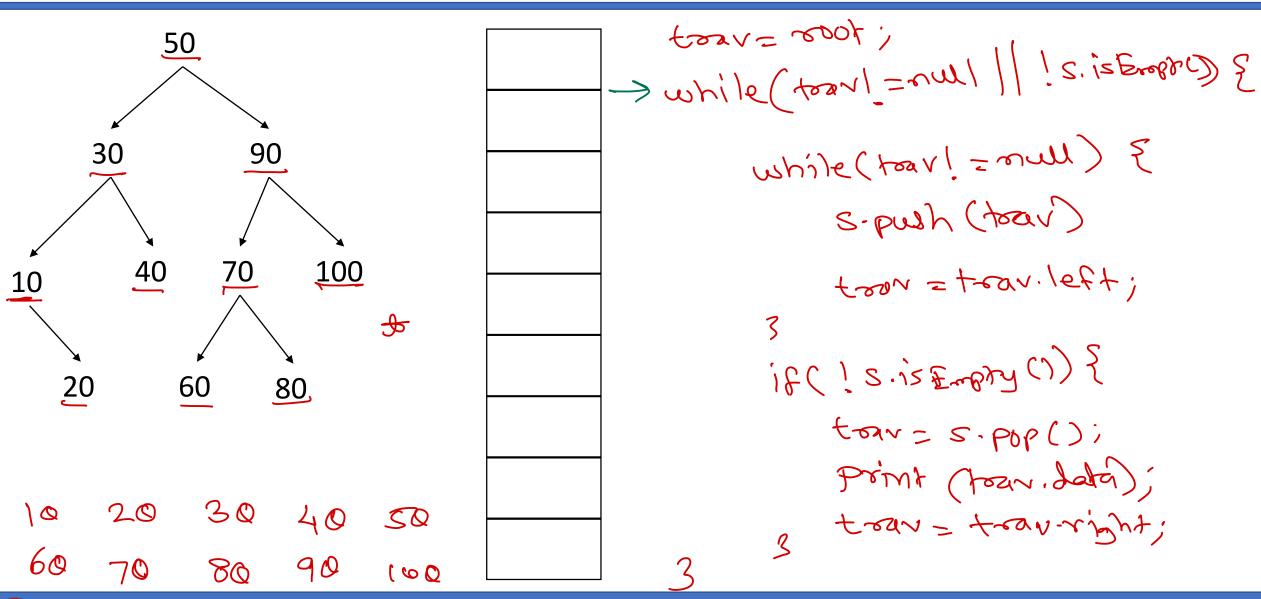
BST - height ()





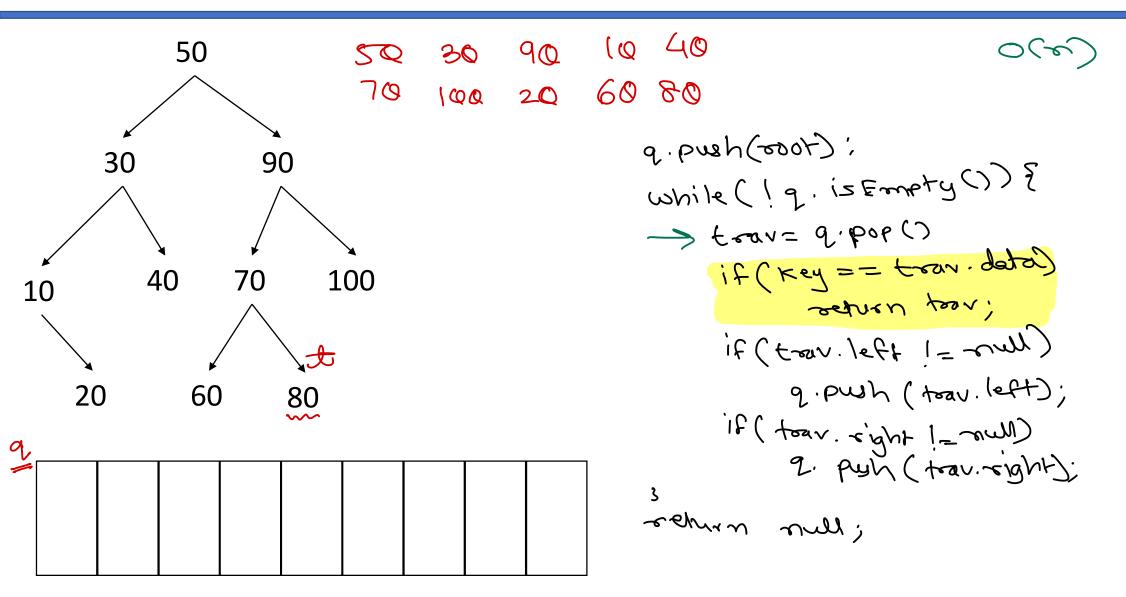




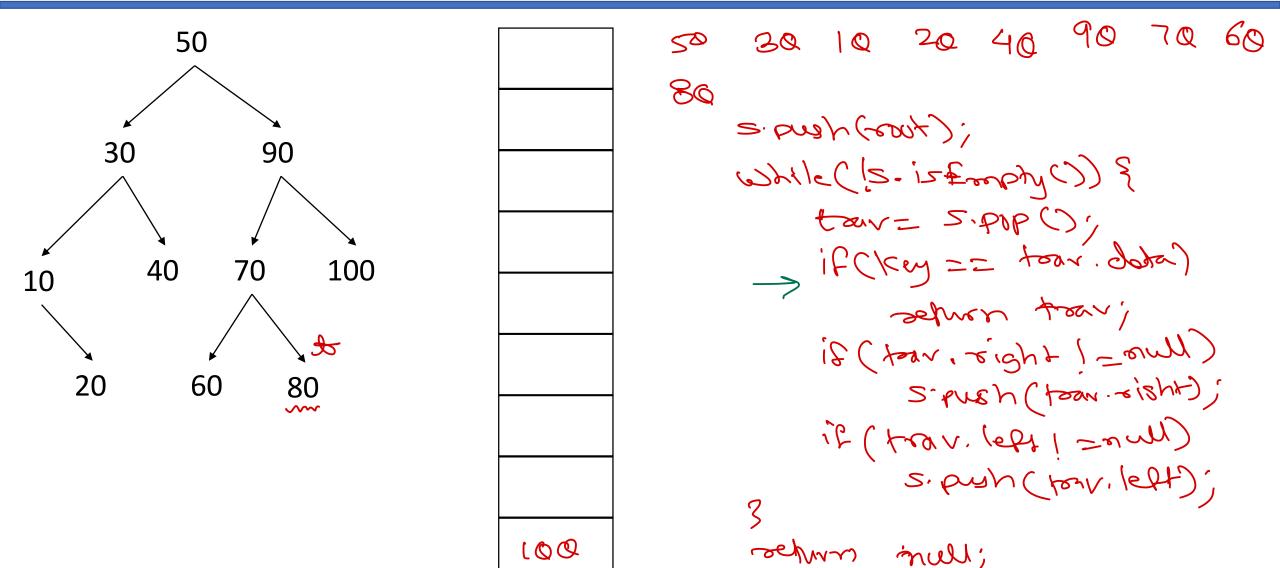




BST - BFS - Breadth First Search - Level wise Search - Non Rec

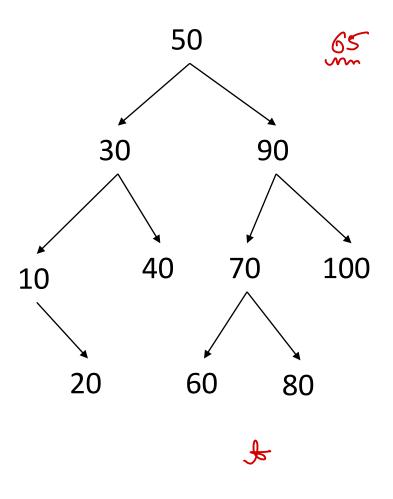








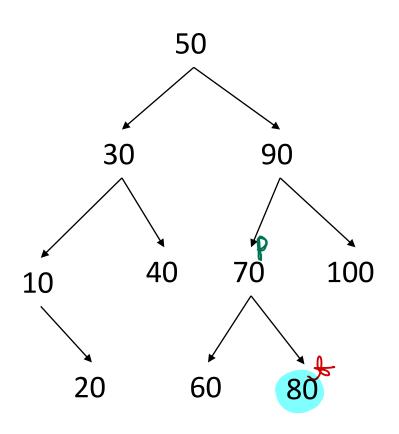
BST - Birary Search - O(h), height



t-000+; while (trav) = mull) & if (key = = toxv. deta) sextern toav; if (key < toan.data) toav=toav.left; epse ceturn oull;



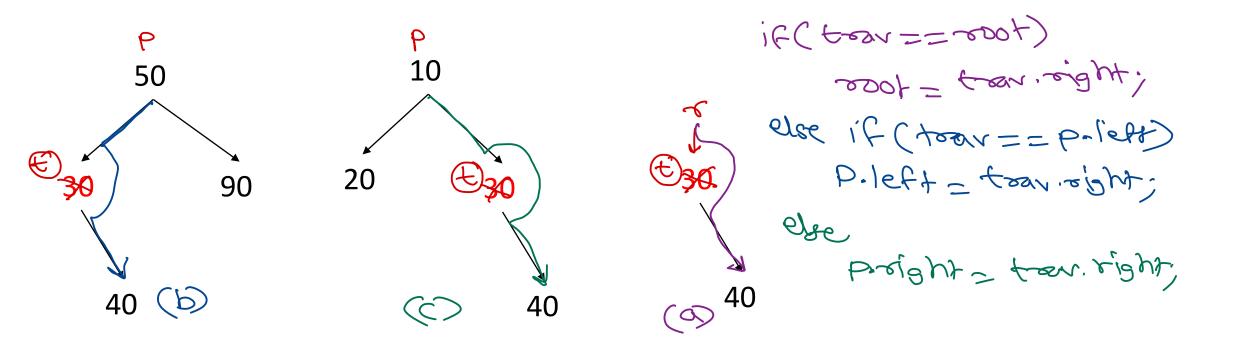
BST - Birrary Search - O(h), height



bosent = entl; +000+; while (toav) = soull) & if (key = = toxv. deta) sextern Etsan bases ?; Parent - troan; if (key < tosav. data) toar = toar, left; else return I mell, null?



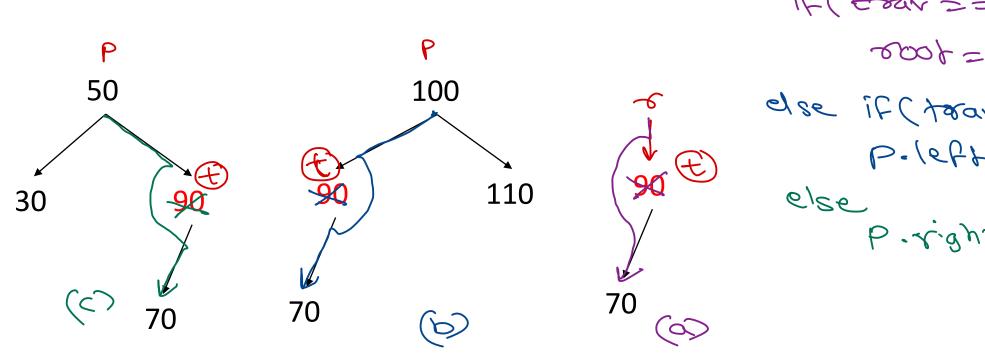
BST - Delete Node > trav. left = = oul





BST – Delete Node

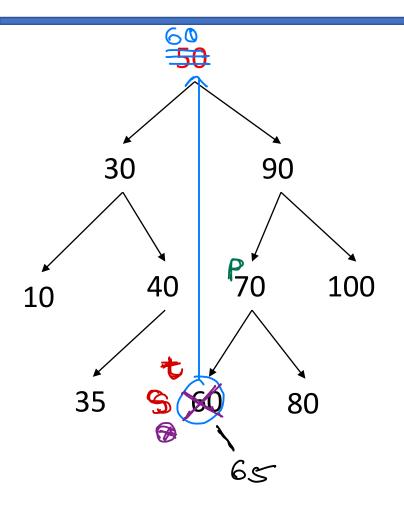




if (town == 000) ooot = town left; else P. left = town left; else P. right = town left;



BST - Delete Node -> toav. left | _ new && toav. right | _ new



```
boroaut - Froan,
succ = t-eon-eight;
while (succ-left 1= null) {
    pasent = succ;
succ = succ. left;
 treav.data = Succ.data;
 toav= succ;
```

10 30 35 40 50 60 65...

toan = left = toan vight;



Stope = from red dota - travidata;

on = new rude (differ); - Sall = toon. vex. data - toon. data;





Thank you!

Nilesh Ghule <nilesh@sunbeaminfo.com>

