

Construct tree from
Level order traversal..

Given an arrays for Eury 1234567

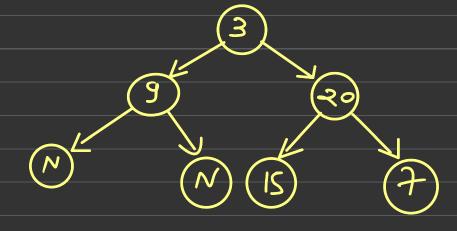
(4)

(5)

(6)

(7)

Input 800+=[3,9,20, null, null,15,7]



[1,2,3,4,5,N,6,N,7,8,9,N]

(2)
(3)
(4)
(5)
(6)

[42,3,4,5,N,6,N,7,8,9,N] (

Algorium:

Also

=) Node*800L = New node (axx []); =) 9. Push (); =) While 9. Size()>0

=) Node* l = new node (axx[i]);
=) Node* x = new node (axx[i]);

) Node*8= new node (αεκ[]); Now Nodek temp: 9.foont(); 9.fop();

> temp-) left= (; temp-) right = o;

Made with Goodnotes

Now Steply Step breakdown: [47.3,4,5,N,6,N,7,8,9,N] ;;

Now we would cocate Anewnode

Step 2) Next itexation:

Btree Status:

[_1,2,3,4,5,N,6,N,7,8,9,N] ; ;



Step3) Next Heration:

Btree Status:



[47.3,4,5,N,6,N,7,8,9,N]



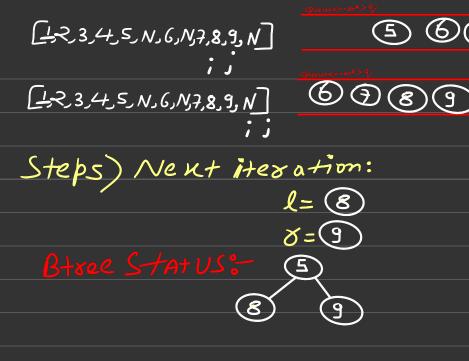
[4,2,3,4,5,N,2,8,9,N]

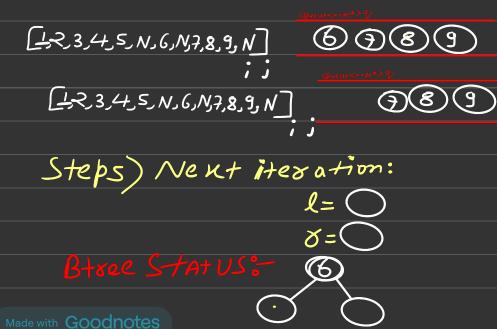


Step4) Next Heration:

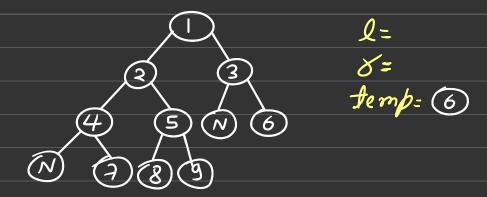
Btree S-tAt US:







[1-2.3,4,5,N,6,N,7,8,9,N] (7) (8) (9)
All in All working mechanism:



the tree is successfully Constructed.

Coding Implementations

```
node* binary_tree(int arr[],int n){
 node* root = new node(arr[0]);
  int i = 1;
  int j = 2;
  queue<node*>q;
  q.push(root);
  while(q.size()>0 \&\& i< n){
    node* temp = q.front();
    q.pop();
    node* 1;
    node* r;
    if(arr[i] != INT_MIN) l = new node(arr[i]);
    else 1 = NULL;
    if(j<n && arr[j] != INT_MIN) r = new node(arr[j]);</pre>
    else r = NULL;
    temp -> left = 1;
    temp -> right = r;
    if(1)q.push(1);
    if(r)q.push(r);
    i += 2;
    j += 2;
  return root;
```

The code works on exactly the Same logic... Check out other document for code workflow...