## LEETCODE: 1008

By Priyansh

## PROBLEM:

You are provided with preorder of A Bst And you have to construct the tree!!! (BST)

MY Algosi44m ⊱

Make first element of the Array a root of the tree as Premeans Root LEFT RIGHT

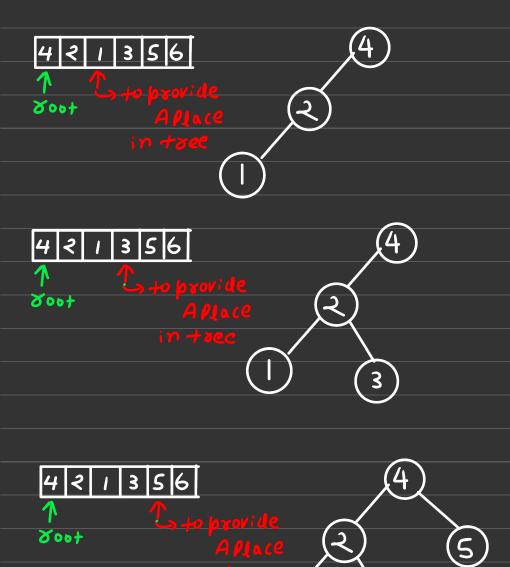
) Now Traverse to All remaining clements

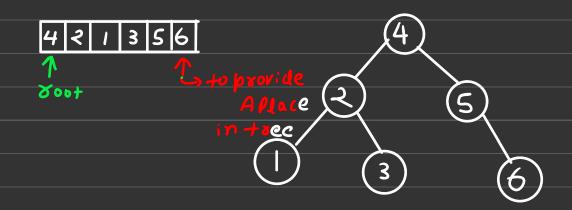
Of the Array and place them on their

Suitable position... in the tree!!!

Enample:

421356 1 C to provide Soot Aplace in 800t (<del>4</del>)





## + ree constructed Sucessfully!!!

## Code Implementation:

```
class Solution {
            void insert(TreeNode* root, int val){
                if(root == NULL){ root = new TreeNode(val);
                else if(root->val > val){
                    if(root->left == NULL){
                         TreeNode* temp = new TreeNode(val);
                        root->left = temp;
                    insert(root->left,val);
                    if(root->right == NULL){
                        TreeNode* temp = new TreeNode(val);
                        root->right = temp;
                    insert(root->right,val);
            TreeNode* bstFromPreorder(vector<int>& preorder) {
                TreeNode* root = new TreeNode(preorder[0]);
                for(int i=1;i<preorder.size();i++){</pre>
                    insert(root,preorder[i]);
Made with Good notes
```