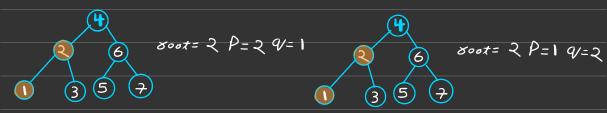
LEETCODE 235

By Priyansh 9) The problem is Asking to find the nearmost Ox lowest common Ancestor of two nodes of a binary Search tree?



```
class Solution {

(public:

| TreeNode* lowestCommonAncestor(TreeNode* root, TreeNode* p, TreeNode* q) {

| if(root->val == p->val) | root -> val == q->val) return root;

| else if(root->val > p->val && root->val < q->val) return root;

| else if(root->val > q->val && root->val < p->val) return root;

| else if(root->val > q->val && root->val > p->val) return lowestCommonAncestor(root->left,p,q);

| else return lowestCommonAncestor(root->right,p,q);

| }

| }

| AnciS+exo.o.
```

Made with Goodnotes

```
TreeNode* lowestCommonAncestor(TreeNode* root, TreeNode* p, TreeNode* q) {
     else if(root->val > p->val && root->val < q->val)return root;
     else if(root->val > q->val && root->val > p->val) return lowestCommonAncestor(root->left,p,q);
     else return lowestCommonAncestor(root->right,p,q);
                                  -> Root = Lowest common Ancisterooo
     TreeNode* lowestCommonAncestor(TreeNode* root, TreeNode* p, TreeNode* q) {
       else if(root->val > p->val && root->val < q->val)return root;
       else if(root->val > q->val && root->val< p->val)return root;
       else return lowestCommonAncestor(root->right,p,q);
                                    → Root
lowes+
                                                    Called left from oot
Ansistor
    TreeNode* lowestCommonAncestor(TreeNode* root, TreeNode* p, TreeNode* q) {
       else if(root->val > p->val && root->val < q->val)return root;
       else if(root->val > q->val && root->val< p->val)return root;
       else if(root->val > q->val && root->val > p->val) return lowestCommonAncestor(root->left,p,q);
                                      -> Root -> called dight
                         ૨
                                                    lowest
common
Ansistor
```

NEW Code Same fasks-(In order to remove some unnecessary check list)...

```
class Solution {
    public:
        TreeNode* lowestCommonAncestor(TreeNode* root, TreeNode* p, TreeNode* q) {
            if(root->val > q->val && root->val > p->val) return lowestCommonAncestor(root->left,p,q);
            else if(root->val < p->val && root->val < q->val) return lowestCommonAncestor(root->right,p,q);
            else return root;
        }
    };
```