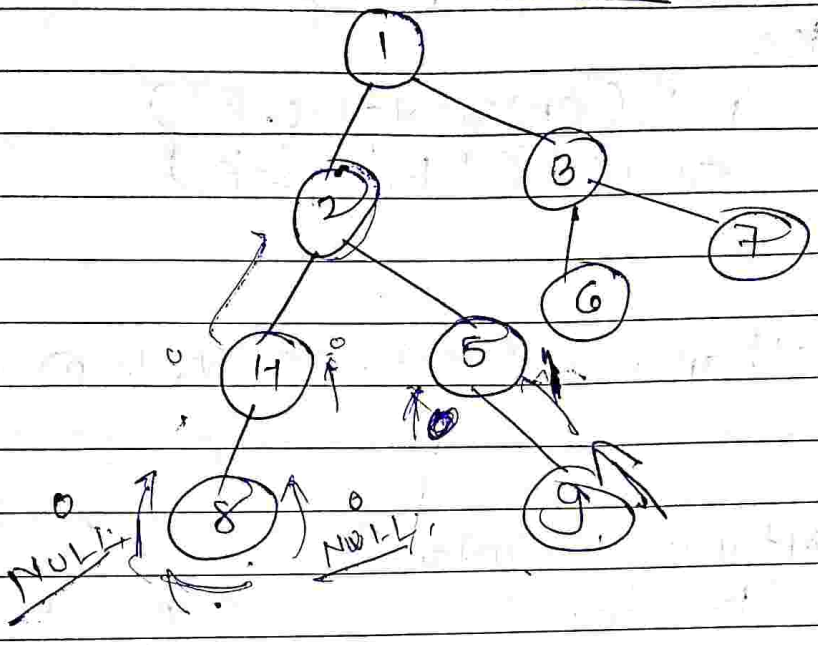
* kth ancestor :- Leetcode :- 1483



p = 9

k = 1st ancestor.

= 5

k = 2nd ancester

= 2

3rd ancester

= 1

```
int kthancester(struct node * root, struct node *p, struct node *k)
{ int leftans, rightans;
  if(root==NULL)
    { return 0; }
    if(root->data==p->data)
    { return 1; }
leftans=kthancester(root->left, p, k);
rightans = kthancester(root->right, p, k);
    if(leftans!=-1)
        return leftans+1;
    if(rightans!=-1)
        return rightans+1;
    return -1;
}
```

```
main(){puts ("enter value of p")
        scanf("%d",&p)
   k =
        puts("enter value k")
        scanf("%d",&k)

   kthansecter(root, createnode(p), createnode(k))
```

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```
if(leftans || rightans)
    (k->data)--;
if( k->data ==0)      ||
  { printf("%d\n", root->data);
    k->data=-1;
  }
return leftans || rightans;   || Kothun pan
                              1 ala tr 1
```

suppose k value 3rd ansecter
k->data=0 means 3rd ansecter found
print k->data which is third ansecter