DSA_Lab-7@code:

```
* Definition for a binary tree node.
       struct TreeNode *left;
       struct TreeNode *right;
struct TreeNode* getMaximumKey(struct TreeNode* ptr){
   while(ptr->right !=NULL){
        ptr=ptr->right;
    return ptr;
struct TreeNode* deleteNode(struct TreeNode* root, int key){
   if (root == NULL)
        return root;
    if (key < root->val)
        root->left = deleteNode(root->left, key);
    else if (key > root->val)
        root->right = deleteNode(root->right, key);
    else {
        if (root->left == NULL) {
            struct TreeNode* temp = root->right;
            free(root);
            return temp;
        else if (root->right == NULL) {
            struct TreeNode* temp = root->left;
            free(root);
            return temp;
        struct TreeNode* temp = getMaximumKey(root->left);
        root->val = temp->val;
        root->left = deleteNode(root->left, temp->val);
    return root;
```