

```

if ( Value < par->data ) {
    save_node = delnode; // Save the node to delete.
    par->left = delnode->left; // Readjust the parent pointer.
    free( delnode ); // Free the memory for the deleted node.
}
// Deletes the node if it's a right child.
else {
    save_node = delnode; // Save the node to delete.
    par->right = delnode->left; // Readjust the parent pointer.
    free( delnode ); // Free the memory for the deleted node.
}

```

```

return root; // Return the root of the tree after the deletion.
}

```

```

// Case 3: the node to be deleted only has a right child.

```

```

if ( has Only Right Child (delNode) ) {

```

```

// Node to delete is the root node.
if (par == NULL) {
    save_node = delnode->right;
    free( delnode );
    return save_node;
}

```

```

// Delete's the node if it is a left child.

```

```

if ( value < par->data ) {
    save_node = delnode;
    par->left = delnode->right;
    free( delnode );
}

```

```

// Delete's the node if it is a right child.

```

```

else {
    save_node = delnode;
    par->right = delnode->right;
    free( delnode );
}

```

```

return root;
}

```

```

// Case 4: The deleted node has 2 children, find the replacement node

```

```

new_del_node = maxVal(del->left);
save_val = new-del-node->data;

```

```

delete(root, save_val); // Now, delete the proper value.

```

```

// Restore the data to the original node to be deleted.

```

```

delnode->data = save_val;

```

```

return root;
}

```