

Parameters:

Node \*rootNodePointer - The root node of the binary tree we are searching

```
function findMaximumKeyInBTree(Node *rootNodePointer) start
    if (rootNodePointer equals NULL) then
        return NULL
    end

    rootNodeData = rootNodePointer data
    leftRootNodeData = findMaximumKeyInBTree(left child of root node)
    rightRootNodeData = findMaximumKeyInBTree(right child of root node)

    if (leftRootNodeData > rootNodeData) then
        rootNodeData = left child of root node
    end

    if (rightRootNodeData > rootNodeData) then
        rootNodeData = right child of root node
    end

    return rootNodeData
end
```