Main.cpp

Tree.cpp

```
main.cpp X Tree.cpp X Tree.h X
           #include "Tree.h"
         \blacksquareadrNode newNode 103032330054(infotype x){
               adrNode P = new elm;
               P->left = NULL;
               P->right = NULL;
               P->info = x;
               return P;
         void insertNode 103032330054(adrNode &root, adrNode p)
               if (root == NULL) {
                   root = p;
               }else{
                   if (p->info > root->info) {
                        insertNode 103032330054(root->right, p);
                   }else{
                        insertNode 103032330054(root->left, p);
         adrNode findMin 103032330054(adrNode root){
               if (root->left == NULL) {
                   return root;
               }else{
                   return findMin 103032330054(root->left);
```

```
_void DeleteNode 103032330054(adrNode &root, adrNode &p){
      adrNode temp;
      if (root == NULL) {
      }else if (p->info < root->info) {
          DeleteNode 103032330054(root->left, p);
      }else if (p->info > root->info) {
          DeleteNode 103032330054(root->right, p);
      }else{
          if (root->left == NULL && root->right == NULL) {
              delete root;
              root = NULL;
          }else if (root->left == NULL) {
              temp = root;
              root = root->right;
              delete temp;
          }else if (root->right == NULL) {
              temp = root;
              root = root->left;
              delete temp;
          }else{
              temp = findMin 103032330054(root->right);
              root->info = temp->info;
              DeleteNode 103032330054(root->right, temp);
woid printInOrder 103032330054(adrNode root) {
     if (root != NULL) {
          printInOrder 103032330054(root->left);
          cout << root->info << " ";</pre>
          printInOrder 103032330054(root->right);
_adrNode mostLeftNode 103032330054(adrNode root){
     if (root->left == NULL) {
         return root;
         return mostLeftNode 103032330054(root->left);
adrNode mostRightNode 103032330054(adrNode root) {
     if (root->right == NULL) {
         return root;
     }else{
         return mostRightNode 103032330054 (root->right);
```

Tree/h

```
main.cp x Treecpp x Treeh x

#iffndef TREE_H_INCLUDED

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#include <iostream>
using namespace std;
typedef int infotype;
typedef struct elm *adrNode;

struct elm{
    adrNode right;
    adrNode left;
    infotype info;
};

adrNode newNode_103032330054(infotype x);
void insertNode_103032330054(adrNode &root, adrNode p);
void DeleteNode_103032330054(adrNode root);
adrNode findMin_103032330054(adrNode root);
adrNode mostLeftNode_103032330054(adrNode root);
adrNode mostLeftNode_103032330054(adrNode root);
#endif // TREE_H_INCLUDED
```

Output

```
8 6 15 4 7 12 17 9 13
4 6 7 8 9 12 13 15 17
4
17
Process returned 0 (0x0) execution time : 0.067 s
Press any key to continue.
```