DSA – Practical Trees Operations

Continue what you worked on in previous tutorial to implement other trees operations:

1. Write the implementation of the following functions:

2. Test the above functions with something like the following main() function:

```
void main(){
       BinaryTreeNode* node;
       BinaryTreeNode* root = (BinaryTreeNode*) malloc(sizeof(BinaryTreeNode));
       root->key = 5.5;
       root->leftChild = NULL;
       root->rightChild = NULL;
       bstInsert(root, 7.7);
       bstInsert(root, 3.2);
       bstInsert(root, 4.0);
       node = bstFind(root, 3.2);
       if(node != NULL)
              printf("The value %f was found.\n", node->key);
       else
              printf("Value 3.2 was not found.\n";
       node = bstFind(root, 6.2);
       if(node != NULL)
              printf("The value %f was found.\n", node->key);
       else
              printf("Value 6.2 was not found.\n";
       node = bstMin(root);
       if(node != NULL)
              printf("The minimum value is %f.\n", node->key);
       node = bstMax(root);
       if(node != NULL)
              printf("The maximum value is %f.\n", node->key);
       printf("Height of binary search tree is %d.\n", bstHeight(root));
       bstClear(root);
       root = NULL;
}
```





