



BST Implementation

Learning Objectives

1. Implement find in a BST



```
1  template<class K, class V>
```

```
2  TreeNode*& find(TreeNode *& root, const K & key) {
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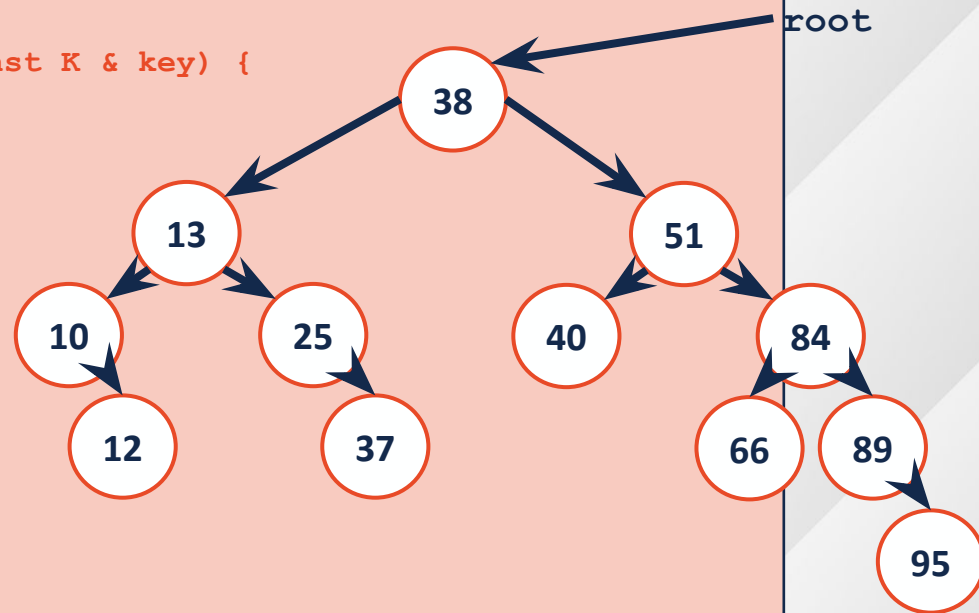
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26 }
```



```
1  template<class K, class V>
```

```
2  TreeNode*& find(TreeNode *& root, const K & key) {
```

```
3  
4      if (root == NULL){  
5          return root;  
6      }  
7
```

```
8      if (root->key == key){  
9          return root;  
10     }
```

```
11  
12     if(key < root->key){  
13         return find(root->left, key);  
14     }
```

```
15  
16     if(key > root->key){  
17         return find(root->right, key);  
18     }
```

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25 }
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