Practice (https://practice.geeksforgeeks.org/home/)

⚡ 178 ↑ (/leaderboard)

| Problem | Editorial | Submissions | Doubt Support |

C++ (g++ 5.4) ▾   Test against custom input

```
 1  ⬚// } Driver Code Ends
55
56
57  // Function to search a node in BST.
58  bool search(Node* root, int x) {
59      // Your code here
60      if(root == NULL)
61          return false;
62      if(root->data == x)
63          return true;
64
65      if(x < root->data)
66          return search(root->left, x);
67      else return search(root->right, x);
68  }
69
```
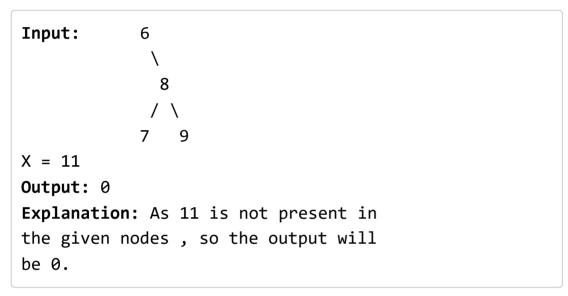
Search a node in BST 🔖

Basic   Accuracy: 55.04%   Submissions: 39152   Points: 1

Given a **Binary Search Tree** and a node value X, find if the node with value X is present in the BST or not.

Example 1:

```
Input:       2
              \
               81
              /   \
            42      87
             \       \
              66       90
             /
            45
X = 87
Output: 1
Explanation: As 87 is present in the
given nodes , so the output will be
1.
```

Example 2:

```
Input:      6
             \
              8
             / \
            7   9
X = 11
Output: 0
Explanation: As 11 is not present in
the given nodes , so the output will
be 0.
```

Your Task:
You don't need to read input or print anything. Complete the function **search()** which returns **true** if the node with **value x** is **present** in the BST **else returns false**.

Output Window

Problem Solved Successfully ✅

Test Cases Passed: Points Scored:

220 / 220   **1**/1

Expected Time Complexity: O(Height of the BST).
Expected Auxiliary Space: O(1).

Constraints:
1 <= Number of nodes <= 10^5

Total Time Taken: Your Accuracy:

0.15/1.28   **100%**

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Discussions ⤢

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shanu14 1 week ago

C++ Solution :-

```
bool search(Node* root, int x) {
    if(root==NULL) return 0;

    else if(root->data==x) return 1;

    else if(x>root->data) search(root->right

    else search(root->left,x);
}
```

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Your Time: 23m 54s