

```

1  #include<stdio.h>
2  #include<stdlib.h>
3
4  struct BinaryTree
5  {
6      struct BinaryTree *left;
7      int data;
8      struct BinaryTree *right;
9  };
10
11 struct BinaryTree * CreateBinaryNode(int value)
12 {
13     struct BinaryTree *node = (struct BinaryTree *)malloc(sizeof(struct BinaryTree));
14     node->left=NULL;
15     node->data=value;
16     node->right=NULL;
17     return node;
18 }
19
20
21 int SearchElementinTree(struct BinaryTree *root, int data)
22 {
23     if(root==NULL)
24     {
25         return 0;
26     }
27     if(root->data==data)
28         return 1;
29     else
30     {
31         int temp=SearchElementinTree(root->left,data);
32         if(temp!=0)
33             return temp;
34         else
35             return SearchElementinTree(root->right,data);
36     }
37 }
38
39 void main()
40 {
41     struct BinaryTree *root;
42     root=CreateBinaryNode(20);
43     root->left=CreateBinaryNode(30);
44     root->right=CreateBinaryNode(40);
45     root->left->left=CreateBinaryNode(220);
46     root->left->right=CreateBinaryNode(1420);
47     root->right->right=CreateBinaryNode(20);
48     root->right->left=CreateBinaryNode(333);
49     printf("1 if found , otherwisw 0\n\n\n %d",SearchElementinTree(root,1420));
50
51 }

```