```cpp
/*-------Binary Search Tree-------*/

#include<iostream>
using namespace std;

struct node
{
    int data;
    node * left;
    node * right;
};

class SearchTree
{
    public:
        node * root;
        SearchTree()
        {
            root = NULL;
        }

        void insert(int d)
        {
            node * pointer, * last_node, * temp = new node();

            temp -> data = d;
            temp -> left = NULL;
            temp -> right = NULL;

            pointer = root;
            if(root == NULL)
            {
                root = temp;
                return;
            }
            while(pointer != NULL)
            {
                last_node = pointer;
                if(pointer -> data > d)
                {
                    pointer = pointer -> left;
                }
                else
                {
                    pointer = pointer -> right;
                }
            }
            if(last_node -> data > d)
            {
                last_node -> left = temp;
            }
            else
            {
                last_node -> right = temp;
            }
        }
        void search(int y)
        {
            node * pointer;
            pointer = root;
            while(pointer != NULL )
            {
                if(pointer -> data == y)
                {
                    cout << y << " is present. \n";
                }
                else if(pointer -> data > y)
                {
                    pointer = pointer -> left;
                }
                else
                {
                    pointer = pointer -> right;
                }
            }
            if(pointer == NULL)
            {
                cout << y << " is absent. \n";
            }
        }
        void print(node *k)
        {
            if(k != NULL)
            {
                print(k -> left);
                cout << k -> data << " ";
                print(k -> right);
            }
        }
};

int main()
```

```
{
    SearchTree tree;
    int num;
    cout << "How many nodes you want to add? \n";
    cin >> num;
    int data;
    cout << "Enter the nodes: \n";
    for(int i = 0; i < num; i++)
    {
        cin >> data;
        tree.insert(data);
    }

    tree.print(tree.root);

    return 0;

}
```