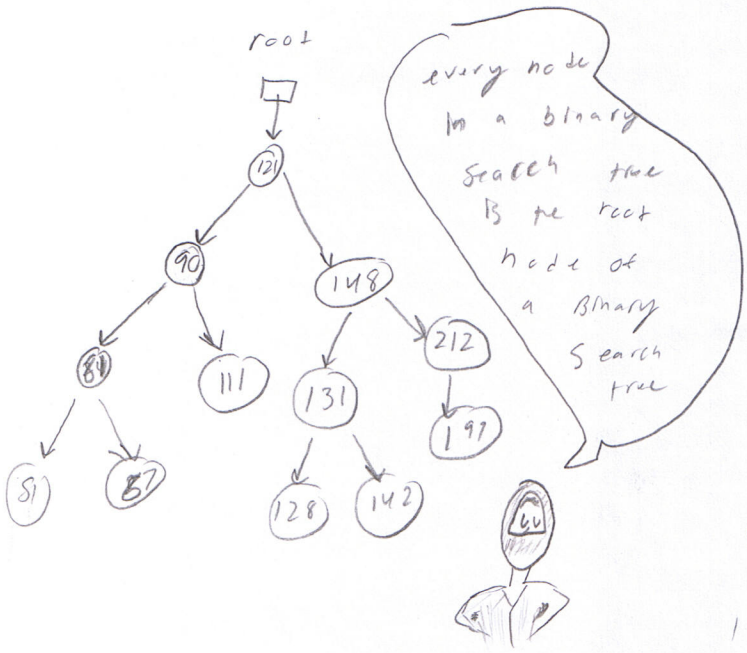
Cmp 338

10·13·09

public class BSTNode




```
BSTNode root = New BSTNode(121);
```

root → BSTNode ref → 121

```
root.SomeMethod();

public int SomeMethod()
{
    If (left != null) return left.SomeMethod();
    else return x;
}
```

Go into the Left Subtree

```
public class BSTNode
{
    int x; // This could be more complicated if needed
    BSTNode left = null;
    BSTNode right = null;

    public BSTNode(int x)
    {
        this.x = x
    }
}
```

When it Born it to the tree nothing will be created after it.

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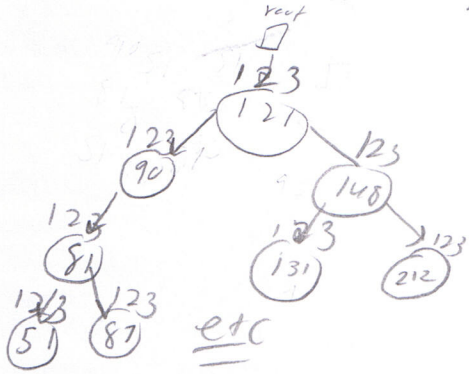
```
Left != null

There is a Left Subtree (non Empty) you can go Left
There are values smaller than the root in this
Binary Search tree.

public int minimum()
{
    if (left != null) return left.minimum();
    else              return x;
}

public int maximum()
{
    if (right != null) return right.maximum();
    else               return x;
}

public void SomethingMore()
{
    if (left != null) Left.SomethingMore();
    System.out.println(x)
    if (right is null) right.SomethingMore();
```

Step
1) if (Left != null) Left.Something();
2) System.out.println(x);
3) if (right != null) right.Something();



51
81
87
90
104
111
etc