

Class BST12.BST12Node<E extends java.lang.Comparable<? super E>>

java.lang.Object
BST12.BST12Node<E>

Enclosing class:

BST12<E extends java.lang.Comparable<? super E>>

protected class **BST12.BST12Node<E extends java.lang.Comparable<? super E>>**
extends java.lang.Object

INNER CLASS for a Node A BST is composed of BST12Nodes. The element stored must be comparable with other elements in the BST.

Field Summary

Fields

Modifier and Type	Field and Description
protected E	element
protected BST12.BST12Node<E>	leftChild
protected BST12.BST12Node<E>	parent instance variables
protected BST12.BST12Node<E>	rightChild

Constructor Summary

Constructors

Constructor and Description
BST12Node (E data) A constructor that takes a data element to store in the node
BST12Node (E data, BST12.BST12Node<E> left, BST12.BST12Node<E> right) A constructor that takes a data element and references to become the node's left and right subtrees

Method Summary

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Field Detail

parent

protected `BST12.BST12Node<E extends java.lang.Comparable<? super E>>` parent

instance variables

leftChild

protected `BST12.BST12Node<E extends java.lang.Comparable<? super E>>` leftChild

rightChild

protected `BST12.BST12Node<E extends java.lang.Comparable<? super E>>` rightChild

element

protected `E extends java.lang.Comparable<? super E>` element

Constructor Detail

BST12Node

```
public BST12Node(E data)
```

A constructor that takes a data element to store in the node

Parameters:

data – the data to be the element of the Node

BST12Node

```
public BST12Node(E data,
                  BST12.BST12Node<E> left,
                  BST12.BST12Node<E> right)
```

A constructor that takes a data element and references to become the node's left and right subtrees

Parameters:

data - the data to be the element of the Node

left - the node to be the leftChild of the Node

right - the node to be the rightChild fo the Node