

# Java JTree

The JTree class is used to display the tree structured data or hierarchical data. JTree is a complex component. It has a 'root node' at the top most which is a parent for all nodes in the tree. It inherits JComponent class.

## JTree class declaration

Let's see the declaration for javax.swing.JTree class.

```
public class JTree extends JComponent implements Scrollable, Accessible
```

## Commonly used Constructors:

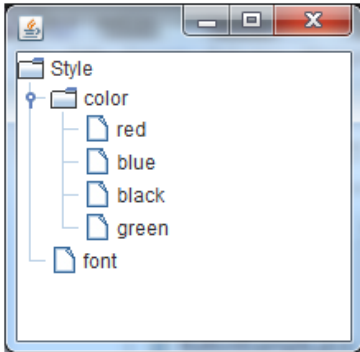
Constructor	Description
JTree()	Creates a JTree with a sample model.
JTree(Object[] value)	Creates a JTree with every element of the specified array as the child of a new root node.
JTree(TreeNode root)	Creates a JTree with the specified TreeNode as its root, which displays the root node.

## Java JTree Example

```
import javax.swing.*;
import javax.swing.tree.DefaultMutableTreeNode;
public class TreeExample {
    JFrame f;
    TreeExample(){
        f=new JFrame();
        DefaultMutableTreeNode style=new DefaultMutableTreeNode("Style");
        DefaultMutableTreeNode color=new DefaultMutableTreeNode("color");
        DefaultMutableTreeNode font=new DefaultMutableTreeNode("font");
        style.add(color);
        style.add(font);
        DefaultMutableTreeNode red=new DefaultMutableTreeNode("red");
        DefaultMutableTreeNode blue=new DefaultMutableTreeNode("blue");
        DefaultMutableTreeNode black=new DefaultMutableTreeNode("black");
        DefaultMutableTreeNode green=new DefaultMutableTreeNode("green");
        color.add(red); color.add(blue); color.add(black); color.add(green);
        JTree jt=new JTree(style);
        f.add(jt);
        f.setSize(200,200);
        f.setVisible(true);
    }
    public static void main(String[] args) {
```

```
new TreeExample();  
}}
```

Output:



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