

## Ex 8 JTree

```
// Java Program to demonstrate
// Java JTree

import javax.swing.*.*;
import javax.swing.tree.DefaultMutableTreeNode;

public class DynamicTreeExample {
    public static void main(String[] args)
    {
        // Creating the frame
        JFrame frame = new JFrame(
            "GeeksforGeeks - Java JTree Example");

        // Creating the root node
        DefaultMutableTreeNode root
            = new DefaultMutableTreeNode("Root");

        // Creating child nodes
        DefaultMutableTreeNode parent1
            = new DefaultMutableTreeNode("Parent 1");
        DefaultMutableTreeNode child1_1
            = new DefaultMutableTreeNode("Child 1.1");
        DefaultMutableTreeNode child1_2
            = new DefaultMutableTreeNode("Child 1.2");

        // Adding child nodes to the parent1
        parent1.add(child1_1);
        parent1.add(child1_2);

        // Creating another set of child nodes
        DefaultMutableTreeNode parent2
```

```
        = new DefaultMutableTreeNode("Parent 2");
DefaultMutableTreeNode child2_1
        = new DefaultMutableTreeNode("Child 2.1");
DefaultMutableTreeNode child2_2
        = new DefaultMutableTreeNode("Child 2.2");

// Adding child nodes to the parent2
parent2.add(child2_1);
parent2.add(child2_2);

// Adding parent nodes to the root
root.add(parent1);
root.add(parent2);

// Creating the JTree
JTree tree = new JTree(root);

// Adding the JTree to the frame within a scroll
// pane
frame.add(new JScrollPane(tree));

// Setting frame properties
frame.setSize(400, 400);
frame.setDefaultCloseOperation(
    JFrame.EXIT_ON_CLOSE);
frame.setVisible(true);
}
}
```

## Ex 9: JTable

```
// Packages to import

import javax.swing.JFrame;

import javax.swing.JScrollPane;

import javax.swing.JTable;


public class JTableExamples {

    // frame

    JFrame f;

    // Table

    JTable j;


    // Constructor

    JTableExamples()

    {

        // Frame initialization

        f = new JFrame();


        // Frame Title

        f.setTitle("JTable Example");


        // Data to be displayed in the JTable

        String[][] data = {

            { "Kundan Kumar Jha", "4031", "CSE" },

            { "Anand Jha", "6014", "IT" }

        };


        // Column Names

        String[] columnNames = { "Name", "Roll Number", "Department" };
```

```
// Initializing the JTable
j = new JTable(data, columnNames);
j.setBounds(30, 40, 200, 300);

// adding it to JScrollPane
JScrollPane sp = new JScrollPane(j);
f.add(sp);

// Frame Size
f.setSize(500, 200);

// Frame Visible = true
f.setVisible(true);
}

// Driver method
public static void main(String[] args)
{
    new JTableExamples();
}
}
```