**Ex 8**o **JTree**nstrate

//

// 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();

}

}