**UDP Server :**

*import* javax.swing.\*;  
*import* java.awt.\*;  
*import* java.awt.event.ActionEvent;  
*import* java.awt.event.*ActionListener*;  
*import* java.io.IOException;  
*import* java.net.\*;  
  
*public class* UDPServer *extends* JFrame *implements ActionListener* {  
 JButton b1;  
 JTextField t1;  
 Container container = getContentPane();  
  
 *public static void* main(String[] args) {  
 UDPServer application = *new* UDPServer();  
 application.setDefaultCloseOperation(JFrame.***EXIT\_ON\_CLOSE*** );  
 }  
  
 *public* UDPServer() {  
 container.setLayout(*new* FlowLayout());  
 b1 = *new* JButton("Send to Client");  
 t1 = *new* JTextField(30);  
 container.add(b1);  
 container.add(t1);  
 setSize(400, 300);  
 setVisible(*true*);  
 b1.addActionListener(*this*);  
 }  
  
 @Override  
 *public void* actionPerformed(ActionEvent e) {  
 *try* {  
 DatagramSocket server = *new* DatagramSocket(5000);  
 String message = t1.getText();  
 *byte*[] data = message.getBytes();  
 DatagramPacket sendPacket = *new* DatagramPacket(data, data.length, InetAddress.*getLocalHost*(), 5000);  
 System.***out***.println("Sending Data to Client");  
 server.send(sendPacket);  
 System.***out***.println("Data Sent");  
*// server.close();* } *catch* (IOException socketException) {  
 socketException.printStackTrace();  
 }  
 }  
}

**UDP Client :**

*import* javax.swing.\*;  
*import* java.awt.\*;  
*import* java.net.\*;  
  
*public class* UDPClient *extends* JFrame{  
 *public static void* main(String[] args) {  
 UDPClient application = *new* UDPClient();  
 application.setDefaultCloseOperation(JFrame.***EXIT\_ON\_CLOSE***);  
 }  
  
 *public* UDPClient() {  
 JLabel label = *new* JLabel("Server Data will print here");  
 Container container = getContentPane();  
 container.setLayout( *new* FlowLayout() );  
 container.add(label);  
 setSize( 400, 300 );  
 setVisible( *true* );  
 *try* {  
 DatagramSocket client = *new* DatagramSocket(5000);  
 *byte* data[] = *new byte*[ 100 ];  
 DatagramPacket receivePacket = *new* DatagramPacket( data, data.length );  
 System.***out***.println("Client is Running");  
 client.receive(receivePacket);  
 System.***out***.println(*new* String (receivePacket.getData()));  
 *byte*[] text = receivePacket.getData();  
 label.setText(String.*valueOf*(text));  
 System.***out***.println("Data Received");  
 }  
 *catch* (Exception e) {  
 System.***out***.println(e);  
 }  
 }  
 }