**UDP Server**

import java.io.\*;

import java.net.\*;

import java.util.Scanner;

public class UDPServer {

public static void main(String args[]) throws Exception {

Scanner sc= new Scanner(System.in);

int port= sc.nextInt();

DatagramSocket serverSocket = new DatagramSocket(port);

BufferedReader inFromUser

= new BufferedReader(new InputStreamReader(System.in));

while (true) {

byte[] receiveData = new byte[1024];

byte[] sendData = new byte[1024];

DatagramPacket receivePacket

= new DatagramPacket(receiveData, receiveData.length);

serverSocket.receive(receivePacket);

String msg = new String(receivePacket.getData());

System.out.println("Client says: "+msg);

InetAddress IPAddress = receivePacket.getAddress();

int port = receivePacket.getPort();

msg=inFromUser.readLine();

String capitalizedSentence = msg;

sendData = capitalizedSentence.getBytes();

DatagramPacket sendPacket

= new DatagramPacket(sendData, sendData.length, IPAddress, port);

serverSocket.send(sendPacket);

}

}

}

**UDP Client**

import java.io.\*;

import java.net.\*;

import java.util.\*;

public class UDPClient {

public static void main(String args[]) throws Exception {

System.out.println("Enter same port number as in server");

Scanner sc= new Scanner(System.in);

int port= sc.nextInt();

BufferedReader inFromUser

= new BufferedReader(new InputStreamReader(System.in));

DatagramSocket clientSocket = new DatagramSocket();

InetAddress IPAddress

= InetAddress.getByName("localhost");

while(true){

byte[] sendData = new byte[1024];

byte[] receiveData = new byte[1024];

String msg = inFromUser.readLine();

sendData = msg.getBytes();

DatagramPacket sendPacket

= new DatagramPacket(sendData, sendData.length,

IPAddress, port);

clientSocket.send(sendPacket);

DatagramPacket receivePacket

= new DatagramPacket(receiveData, receiveData.length);

clientSocket.receive(receivePacket);

String modifiedSentence

= new String(receivePacket.getData());

System.out.println("Received from Server:" + modifiedSentence);

}

}

}