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\* @author Administrator

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import java.io.BufferedReader;

import java.io.IOException;

import java.io.InputStreamReader;

import java.net.DatagramPacket;

import java.net.DatagramSocket;

import java.net.InetAddress;

import java.net.SocketException;

import java.net.UnknownHostException;

public class UDPClient {

private static final int DEFAULT\_PORT=5433;

private final static int MAX\_PACKET\_SIZE=1024;

public static void main(String[] args) {

int dest=5432;

int port=DEFAULT\_PORT;

try{

InetAddress add=InetAddress.getByName("localhost");

//create stream for keyboard input

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

//create UDP client datagramSocket

DatagramSocket client=new DatagramSocket(port);

System.out.println("Enter message, disconnected with .\n");

while(true)

{

String message=sysin.readLine();

//the connection is terminated by period ‘ . ‘ or null input

if(message== null ||message.isEmpty()||message.indexOf('.')!=-1) break;

byte[] data=message.getBytes();

//prepare packet for outstanding to server

DatagramPacket packet=new DatagramPacket(data,data.length,add,dest);

client.send(packet);

byte[] buffer=new byte[MAX\_PACKET\_SIZE];

//prepare packet for receiving

DatagramPacket pk=new DatagramPacket(buffer,buffer.length);

client.receive(pk);

//parse paket stream to String s

String s=new String(pk.getData(),0,pk.getLength());

System.out.println(pk.getAddress()+" "+

"says:\n"+s);

}

client.close();

}catch(UnknownHostException e)

{

e.printStackTrace();

}catch(SocketException e)

{

e.printStackTrace();

}catch(IOException e)

{

e.printStackTrace();

}

}

}

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import java.io.IOException;

import java.net.DatagramPacket;

import java.net.DatagramSocket;

import java.net.InetAddress;

import java.net.SocketException;

public class UDPServer {

private final static int DEFAULT\_PORT=5432;

private final static int MAX\_PACKET\_SIZE=1024;

public static void main(String[] args) {

int port= DEFAULT\_PORT;

int dest= 5433;

byte[] buffer=new byte[MAX\_PACKET\_SIZE];

try{

InetAddress add=InetAddress.getByName("localhost");

// create DategramSocket for server

DatagramSocket server=new DatagramSocket(port);

// establisem datagramPacket for receiving from client

DatagramPacket packet=new DatagramPacket(buffer,buffer.length);

System.out.println("Connected!\n");

while(true)

{

server.receive(packet);

//parse packet to String s

String s=new String(packet.getData(),0,packet.getLength());

// end loop when the packet is empty

if(s== null ||s.isEmpty())break;

String cat= s+"-"+"Don't eat yellow snow...";

//convert string to byte array

byte[] bt= cat.getBytes();

//prepare packet

DatagramPacket pk=new DatagramPacket(bt,bt.length,add,dest);

server.send(pk);

}

server.close();

}catch(SocketException e)

{

}catch(IOException e)

{

}

}

}

