dont. wontoUTF(D1); don't. plush(); Sop ("client"); catch (Except e) 1)

Perogram (My Client 1 jana) multi Trovaded impart java.io.*; public class my client 1 Socket s' Data I/P stoream din. Data O/P Stroam dont; Public Myclients() D= new Socket ("LocalHorst", 10); din = new DataInputStream (s.gotInput-Stream()); dout = new Data 0/P Stream (s-gotopclient Chat (); Catch (Frepre) (Sople);) public void client Chatco throws JOExcept My m = new My(din).
Theread to = new Theread (m); Supered Reader by = new Buffered Reader (new Input Stream Reader (3jntom.in 1);

String M; SI = beignead Line(); dout · write UTF (M); dout-flush ();
> white (!slequels("stop")); new My chonta (); clars My implements Rumable Data Input Stoream din; My (DataInpidStorean din) Ithis din = din; public void sint) String 12="10"

>2= din. readUTE(); / Soplaz); catch (Exception e) {} * Until here, we travet data with TCP protact Arrighment GUI based the Broadant Chart

Mero, ne just create a packet a date & sends it Using U-DP perotocal TretAddress (Ohj. of this class - Dreporements the IP address of mount of the computer InotAddress T= InotAddress get By Name gives I particle
("Node10"); InetAddress I = InetAddress.getlocalHast(); Storing add = I.getHartAddress();) gives string of ing name = I.getHartName (); > sines string of computerionare

Program (Udp Gerver-java)
import iana note.
import java. not. *; import java. not. *;
Clars Ud p Server
porm() throws Except
Datagram Socket des= new Datagram Sockel-
byte b() = rew byte [1029] - Lipetino
Datagram Packet of = new Datagram Packet - (b, b. length); Stoling of = new String(dp.godData - ());
Cls-speceme(dp);
side of new String (dp. god Data -
3 Op (Ir. Trim()); Dremorps
3 Seremoves white space-

4 4

J-

Program (udpclient · java)
impart java.io.x;
Claw Udp Client
Public static void main! Itherows
Exceph
"Istagram Socket ds = rew Vategram
Datagram Socket ds = row DatagramSocket (); Storing s - "india is a good country" 3.
Dotagram Packot of p = new notegram Parkot On Parkot of p = new notegram Parkot On Parkot
Datagram Packot dp = new Bategram Parkot
ds send(dp)

URL Clars
Standalore bared.
Loursette connet, Java prog to heb Applica beg. solvery updato og Antivorus
we connect to ones based Two clares SURI Roader (only read)

SURI Connect Reader (Read durite) Program (URLReadest. java) -> connecting. own Goog les homepage impart 3ava. io. *; clountacoting it. public class URI Regder PSVM () throws Except of URL google znew URL ("http://www.google. by deposit connect to nanapar Buffered Reader in - new Bryfered Reader (new Imprit Stoream Reader (google open Stoream ())) Storing inputline;

while (inputtine = in- greadline ()) != null) Sop (inputtine); in-close(); Program (URI Connection Reador - java) import java-riet. *; Public class UP Connection Reader & Statie Storing inputline="" Pormes dhows Excepted URI goodle= new URI ('http://www.o-goegle. URL connect ye = google open Connectical).

Limites connect sives obj q Bufferod Reader In = new Buffered Reader C y c-get Input 8troom ());

while linpudline != null) inputline = in-neadline(); Soplinputlind; in · close(); On Emd: 201 D:1 > java & Wes , > a bc. html predired Piffererence b/w URLConnect 4 URL Read -SURL Conner Reader both great 4 write

[File Exp With
File Toransper Protocol
Porcyram (File Transfer-java) This is only four test
impart java-aut-*;
impart jour auterent.*
import jour javax. sury. x
import jarajano io.
impact Sava-not *
public class Filetransper extends
I Frame implements Actionlistenes
JErame 16
J Button j b1, j b2'
Text Field +1;
Stile Chooser jet
PataI/Pstream din;
pata 0/P Storeon dont, dont;
Storing s1 = new Storing (1)
String DZ = ""
File 65
FilaTa assign()
FileTransfer()
if = new JErame ("FILE TRANSFER");
Container &= y-get Content Panel;
Containes & = If-get Content Panel;
V

. ,

•

cost c. set Background (Colon-ned); jbs = rew JButton ("crocere file"); jbs = rew JButton ("rend"); jb1. ret Bounds (30,50,100, 50) 62. setBonds (250, 150, 70, 50);),-add (jb1); J- add (jbz); J= new Tesat Field(); of set Editable (false); tf- set Background (colon-white) tp. set Bounds (150, 50, 190, 50) if-add (th); if and set reparet close operation (Window Constants EXII -ON CLOSE); of setvinible Ltome); ife = new JFile Chouser(); b1 € add Action Listen (this). b2 = addActionlistener(this); Sublic void file Fransper (Storing s. 1) douts wenter [151); douts. flushis; S2 = f.getAbsolutePath(); FileRooder for = new FileReader(s2);

Buffered Reader by - new Buffered Keaden (ps). String 532"" Dz=br. readlina) if (2 200 = null) dont wenteur [153); C) doub trop) while (b3!= null); Catch (Exception e) Sop (et"in"); public void action Performed (Action Event a) if (e.getSowiel) == jbl) int x=jc. Show Open Dialog (null);
if (x==3 JFile Chaoses ApprovE 0 String path = f.getPath();
String path = f.getPath();

M. It set Text (path +"i"+ 81); y (e.getSource()==jb2) // S=rew Socket ("LocalHost", 10); //s = mew Socket ("54.--", 10); dout 1 = new Data 0/PStream(s-gctOutput Stream) dont = new Data Olpstoneum (s-codolpstoneum()); Catch (Except E) Sop ("rend button: "+E); filoToronsjer (SD); public Static void main (string args[]) File Franges (t = now Filotoronyel);

10 Program (FiloReceiver java) import java aut *; import javaxants. Swing . impart java. io > impat: joua: net. * public class FileReceiver Socket is; SozierSocket DA; Data Input Stoream dis, dist; Pointwriter pw; Pabliz FileReceiver() DD = new Server Socket (10); D= ss.accept(); dis = new Data Inputs to counts get Input Stre-String D2=dis.geodUTF(); Filelibriter fo = New FileWoriter (52); Pw = new Pointwriter (fe); floreceivers;

dubhdollanin mitroroft Came coton (Except c) sople), public void filePeciver() string str=""; str-dis-read (TFC); pw. pointln (ster); pw-flush(); > while (1 stor Equals (mull)); Catch (Excep" c) sople) psymlos String orgs (). new Fulareiver();

Kongrech next.) 14/04/2018 Travelling Object on Network. (Via Servelyn) Program (emp: java) -> We travel object of this class on the network import javaio +; Public dass emp implements Serializable String s; emp(int age, String s) this >= s; thisage = gé; Quak brow Sop (& tage);

Pergram (My Sewer : java) import java-io. x; Public clars Myserver Server Socket Ss. Socret si · Object Input Stream dost) dus; public My Server () Sop ("Server Started"); s> = new Server Sode et [8]; > = >> accept(); Sop ("Client Connected"). dis= new Object/nputstream (s-gatInputstream()) emp = = (emp) dis-readObject(); 2- Show(); catch (Excepⁿ e) Sople);

new My Sever (); Porgram (My client java import java- not. *; public class Myclients Socket si ObjectOPStram dout; public My elients () > = new Socket ("localhest", 8) [// > = new Sedert (192. - 1,8); cmp. el = new emp(10, "aaa"); doct = now chiedolpstroom Sycto/PStream ()) dont write Object (e1); doct flush(); catch (Excepte) (Sople);}

psum() new Myclient IC)