**Code** – Server Program

import java.util.\*; import java.net.\*; import java.io.\*;

public class tcpclient

{ public static void main(String args[])

{ try

{ Scanner ser=new Scanner(System.in); Socket s=new Socket("localhost",998);

DataInputStream dis=new DataInputStream(s.getInputStream()); DataOutputStream dos=new DataOutputStream (s.getOutputStream());

dos.writeUTF("connected to 127.0.0.1 \n"); System.out.println(dis.readUTF());

System.out.println("\n enter the full path of the the file to be displayed");

String path=ser.nextLine();

dos.writeUTF(path);

System.out.println(new String (dis.readUTF()));

dis.close();

dos.close();

s.close();

ser.close(); }

catch(IOException e)

{ System.out.println("IO: "+e.getMessage()); } } }

// Client Program

import java.util.\*; import java.net.\*; import java.io.\*; public class tcpserver

{ public static void main (String args[])

{ try

{ ServerSocket s=new ServerSocket(998); System.out.println("server ready \n waiting for connection \n");

Socket s1=s.accept();

DataOutputStream dos=new DataOutputStream(s1.getOutputStream());

DataInputStream dis=new

DataInputStream(s1.getInputStream());

System.out.println(dis.readUTF());

dos.writeUTF("connected to server \n");

String path=dis.readUTF();

System.out.println("\n request received \n processing......."); try

{ File myfile=new File(path); Scanner scr=new Scanner(myfile); String st=scr.nextLine();

st="\n the context of file is \n "+st; while(scr.hasNextLine())

{ st=st + "\n" + scr.nextLine(); }

dos.writeUTF(st); dos.close();

s1.close();

scr.close(); }

catch(FileNotFoundException e)

{ System.out.println("\n,,,error...\n file not found"); dos.writeUTF("...error \n file not found"); } }

catch(IOException e)

{ System.out.println("IO: "+e.getMessage()); }

finally

{ System.out.println("\n connection terminated"); } } }

**Output** –

Client Side

**$ javac tcpclient.java**

**$java tcpclient** connected to server

enter the full path of the the file to be displayed

/root/cn/udp\_tcp/text

the context of file is Hi

how are you tcp/ip program 112233

Server Side

**$javac tcpserver.java**

$ java tcpserver server ready

waiting for connection connected to 127.0.0.1

request received processing.......

connection terminated