# Program:

package Clientserver;

import java.io.\*;

import java.net.\*;

public class FileClient

{

public static void main(String srgs[])throws IOException

{

Socket s=null;

BufferedReader br=null;

PrintWriter pw=null;

try

{

s=new Socket("127.0.0.1",8081);

br=new BufferedReader(new InputStreamReader(s.getInputStream()));

pw=new PrintWriter(s.getOutputStream(),true);

}

catch(IOException e)

{

System.exit(0);

}

String u,f;

System.out.println("Enter the file name to transfer from server:");

DataInputStream dis=new DataInputStream(System.in);

f=dis.readLine();

pw.println(f);

File f1=new File(f);

FileOutputStream fos=new FileOutputStream(f1);

while((u=br.readLine())!=null)

{

byte jj[]=u.getBytes();

fos.write(jj);

}

fos.close();

System.out.println("File received");

s.close();

}

}

package fileserver;

import java.io.\*;

import java.net.\*;

public class FileServer

{

public static void main(String args[])throws IOException

{

ServerSocket ss=null;

try

{

ss=new ServerSocket(8081);

}

catch(IOException e)

{

System.out.println("couldn't listen");

System.exit(0);

}

Socket cs=null;

try

{

cs=ss.accept();

System.out.println("Connection established"+cs);

}

catch(IOException e)

{

System.out.println("Accept failed");

System.exit(1);

}

PrintWriter pw=new PrintWriter(cs.getOutputStream(),true);

BufferedReader breader=new BufferedReader(new InputStreamReader(cs.getInputStream()));

String s=breader.readLine();

System.out.println("The requested file is : "+s);

File f=new File(s);

if(f.exists())

{

BufferedReader br=new BufferedReader(new FileReader(s));

String line;

while((line=br.readLine())!=null)

{

pw.write(line);

pw.flush();

}

br.close();

System.out.println("File transfered");

cs.close();

ss.close();

}

}

}

# Output:

Server:

Enter the file name to transfer from server:

gud.txt

File received

Client:

Connection establishedSocket[addr=/127.0.0.1,port=6324,localport=8081]

The requested file is : gud.txt

File transfered