NAME: G.Shiva Shankar reddy

REG.NO.: 192211486

CODE: CSA0734

EXPERIMENT: 28

AIM: Implementation of application using TCP file transfer.

PROGRAM:

ftpclient.java import java.net.*; import java.io.*;
public class ftpclient {
public static void main(String args[])throws Exception
{
Socket sock=new Socket("127.0.0.1",3000); System.out.println("Enter the filename:");
BufferedReader keyRead=new BufferedReader (new InputStreamReader(System.in)); String fname=keyRead.readLine();
OutputStream ostream=sock.getOutputStream(); PrintWriter pwrite=new
PrintWriter(ostream,true); pwrite.println(fname);
InputStream istream=sock.getInputStream();
BufferedReader socketRead=new BufferedReader(new InputStreamReader(istream)); String str;
while((str=socketRead.readLine())!=null)
{
System.out.println(str);
}
pwrite.close(); socketRead.close(); keyRead.close();
}
}
ftpserver.java
import java.io.*; import java.net.*; public class ftpserver {
public static void main(String args[])throws Exception
{
ServerSocket sersock=new ServerSocket(3000); System.out.println("Server ready for connection"); Socket sock=sersock.accept();
System.out.println("connection is successful and waiting for chatting"); InputStream istream=sock.getInputStream();
BufferedReader fileRead=new BufferedReader(new InputStreamReader(istream)); String fname=fileRead.readLine();
BufferedReader contentRead=new BufferedReader (new FileReader(fname)); OutputStream ostream=sock.getOutputStream();
PrintWriter pwrite=new PrintWriter(ostream,true); String str;
while((str=contentRead.readLine())!=null)
{
pwrite.println(str);
}
sock.close(); sersock.close(); pwrite.close(); fileRead.close();

contentRead.close();
}
}

OUTPUT:

ftpclient

Z:\CN\FTP>java ftpclient Enter the filename:

ftp.txt Hello FTP

ftpserver

Z:\CN\FTP>java ftpserver Server ready for connection

connection is successful and waiting for chatting

RESULT: Therefore implementation of application using TCP file transfer has been successfully excecuted.