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**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.