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EXPERIMENT: 28

AIM: Implementation of application using TCP file transfer.

PROGRAM:

```
ftpcient.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 executed.