

Prgrm 9 tcp/ip

Client Porgram

```
import java.io.BufferedReader;
import java.io.IOException;
import java.io.InputStream;
import java.io.InputStreamReader;
import java.io.OutputStream;
import java.io.PrintWriter;
import java.net.Socket;
public class ContentClient {
    public static void main(String[] args)
    Socket sock = new
    Socket("127.0.0.1", 4000);
    System.out.println("Enter the
    filename ");
    BufferedReader reader = new
    BufferedReader(new
    InputStreamReader(System.in));
    String fname = reader.readLine();
    OutputStream ostream =
    sock.getOutputStream();
    PrintWriter pwriter = new
    PrintWriter(ostream,true);
    pwriter.println(fname);
    InputStream istream =
    sock.getInputStream();
    BufferedReader toread = new
    BufferedReader(new
    InputStreamReader(istream));
    String str ;
    while((str=toread.readLine())!=null)
    {
        System.out.println(str);
    }
    pwriter.close();sock.close();toread.cl
    ose();
    } }
```

Server program

```
Import java.io.BufferedReader;
import
java.io.FileNotFoundException;
import java.io.FileReader;
import java.io.IOException;
import java.io.InputStream;
```

```
import java.io.InputStreamReader;
import java.io.OutputStream;
import java.io.PrintWriter;
import java.net.ServerSocket;
import java.net.Socket; public class
Server {
    public static void main(String[] args)
    throws
    IOException,FileNotFoundException
    {
        ServerSocket serverSocket = new
        ServerSocket(4000);
        System.out.println("Server ready for
        the connection");
        Socket sock =
        serverSocket.accept();
        System.out.println("Connection
        was successful ");
        InputStream istream =
        sock.getInputStream() ;
        BufferedReader bufferedReader =
        new BufferedReader(new
        InputStreamReader(istream));
        String fname =
        bufferedReader.readLine();
        BufferedReader contentReader =
        new BufferedReader(new
        FileReader(fname));
        OutputStream ostream =
        sock.getOutputStream();
        PrintWriter pwrite = new
        PrintWriter(ostream,true);
        String str ;
        while((str =
        contentReader.readLine())!=null)
        {
            pwrite.println(str);
        }
        sock.close();serverSocket.close();
        pwrite.close();
        bufferedReader.close();
        contentReader.close();
    } }
```