Code – Server Program

```java
import java.util.*; import java.net.*; import java.io.*;
public class tcpclient
{  public static void main(String args[])
{  try
{  Scanner ser=new Scanner(System.in); Socket s=new
Socket("localhost",998);
DataInputStream dis=new
DataInputStream(s.getInputStream()); DataOutputStream
dos=new DataOutputStream (s.getOutputStream());
dos.writeUTF("connected to 127.0.0.1 \n");
System.out.println(dis.readUTF());
System.out.println("\n enter the full path of the the file to be
displayed");
 String path=ser.nextLine();
dos.writeUTF(path);
System.out.println(new String (dis.readUTF()));
dis.close();
dos.close();
s.close();
ser.close(); }
catch(IOException e)
{  System.out.println("IO: "+e.getMessage());  }  }  }
```

// Client Program

```java
import java.util.*; import java.net.*; import java.io.*;
public class tcpserver
{  public static void main (String args[])
{  try
{  ServerSocket s=new ServerSocket(998);
System.out.println("server ready \n waiting for connection
\n");
Socket s1=s.accept();
DataOutputStream dos=new
DataOutputStream(s1.getOutputStream());
DataInputStream dis=new
DataInputStream(s1.getInputStream());
```

```
System.out.println(dis.readUTF());
dos.writeUTF("connected to server \n");
 String path=dis.readUTF();
System.out.println("\n request received \n processing.......");
try
{  File myfile=new File(path); Scanner scr=new
Scanner(myfile); String st=scr.nextLine();
st="\n the context of file is \n "+st;
while(scr.hasNextLine())
{   st=st + "\n" + scr.nextLine();  }
dos.writeUTF(st); dos.close();
s1.close();
scr.close();  }
catch(FileNotFoundException e)
{  System.out.println("\n,,,error...\n file not found");
dos.writeUTF("...error \n file not found");  }  }
catch(IOException e)
{  System.out.println("IO: "+e.getMessage());  }
```

finally
```
{ System.out.println("\n connection terminated"); } } }
```

Output –
Client Side
$ javac tcpclient.java
$java tcpclient connected to server
enter the full path of the the file to be displayed
/root/cn/udp_tcp/text
the context of file is Hi
how are you tcp/ip program 112233
Server Side
$javac tcpserver.java
$ java tcpserver server ready
waiting for connection connected to 127.0.0.1
request received processing.......
connection terminated