

# Practical No. 3

Aim: - Create Hebry and execute program based server /clients sockets and sending data from client to server.

complicated algorithm for dealing with connection can contain a control can on consider notwork as well as pensiments expediation about packet loss.

on datagram provides an alternative

Datagram Packet

and it is a cluba container

Datagreen Socket

Daleigner Socket is a mechanisms which is used to send and receive Dateigner Prickets

Program 1-

## **Program:**

#### Client Side

```
import java.net.*;
import java.io.*;
class Client{
public static void main(String args[])throws Exception{
Socket s=new Socket("localhost",1111);
DataInputStream din=new DataInputStream(s.getInputStream());
DataOutputStream dout=new
DataOutputStream(s.getOutputStream());
BufferedReader br=new BufferedReader(new
InputStreamReader(System.in));
String str="", str1="";
while(!str.equals("stop")){
str=br.readLine();
dout.writeUTF(str);
dout.flush();
str1=din.readUTF();
System.out.println("Server - "+ str1);
}
dout.close();
s.close();
}}
```

#### Server Side

```
import java.net.*;
import java.io.*;
class Server{
public static void main(String args[])throws Exception{
ServerSocket ss=new ServerSocket(1111);
Socket s=ss.accept();
DataInputStream din=new DataInputStream(s.getInputStream());
DataOutputStream dout=new
DataOutputStream(s.getOutputStream());
BufferedReader br=new BufferedReader(new
InputStreamReader(System.in));
String str="", str1 ="";
while(!str.equals("stop")){
str=din.readUTF();
System.out.println("Client - "+str);
str1 =br.readLine();
dout.writeUTF(str1);
dout.flush();
}
din.close();
s.close();
ss.close();
}}
```

### **Output:**

#### Client:

```
Microsoft Windows [Version 10.0.19042.985]
(c) Microsoft Corporation. All rights reserved.
F:\BHT-TK-001\VIth Sem\IT501E - Advanced Java\Assignments>javac Client.java
F:\BHT-TK-001\VIth Sem\IT501E - Advanced Java\Assignments>java Client
Hello!
Server - Good Evening
This is Raquel Murillo
Server - and I am Professor
I am glad that we don't have to regret any casualties
Server - I am glad too
Server - Just in case one day you get us an helicopter, so we can go to Brazil.
Thats's what you want? A Helicopter ?
Server - Intelligenace, to get me a yes or a no.
Then you should speak directly with the president
Server - in that case, the polite thing to do is to greet and introduce oursselves.
Hello, I'm Angel deputy Police Inspector.
Server - Forgive me for not giving you my name but you can call me Professor.
```

#### Server:

```
Microsoft Windows [Version 10.0.19042.985]
(c) Microsoft Corporation. All rights reserved.
F:\BHT-TK-001\VIth Sem\IT501E - Advanced Java\Assignments>javac Server.java
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