

TCP-IP- It is specification for computer network protocol
 creates in 1970 By Department of defence ARPANET (DoD)

---guaranteed communication

----every packet does not contain receivers address

UDP communication

example :post office

---not guaranteed communication

every packet should have receivers address and data

Classes in java are available java.net package

InetAddress	Represents Internet Protocol address
ServerSocket	Creates TCP server Application
Socket	Creates TCP client application
DatagramSocket	Creates UDP application
DatagramPacket	Creates datagram packet in UDP application

TCP communication

- reliable communication
- connection oriented
- example Telephonic communication

UDP Communication

- connectionless communication
- faster than TCP
- communication is not guaranteed

In Socket programming 2 Applications running on different machines can communicate with each other

Server Application

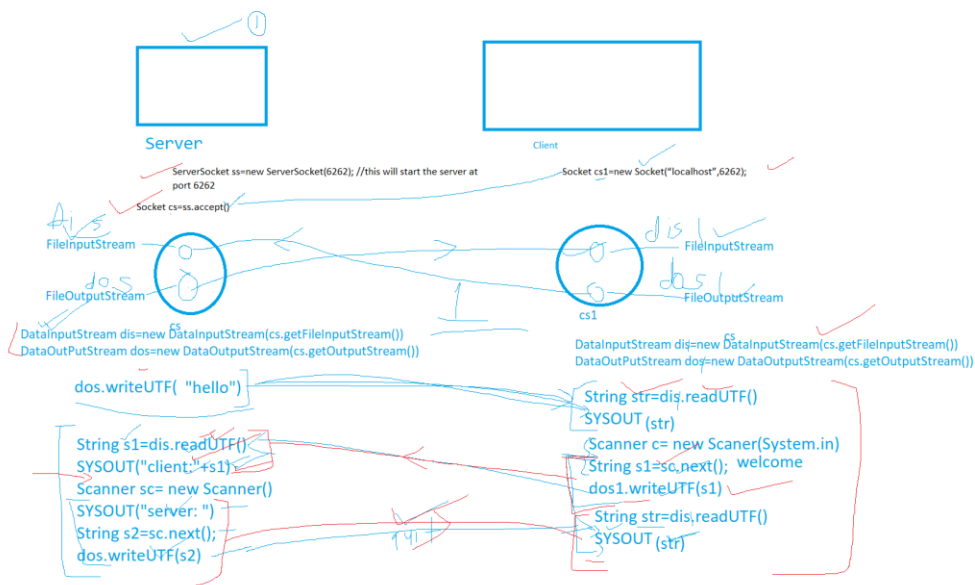
- start the server application and run it on some port

```
ServerSocket ss=new ServerSocket(6262); //this will start the server at port 6262
Socket cs=ss.accept() // keep on waiting for client request
```

Client Application

- client should send the request

```
Socket cs1=new Socket("localhost",6262);
```



UDP communication

