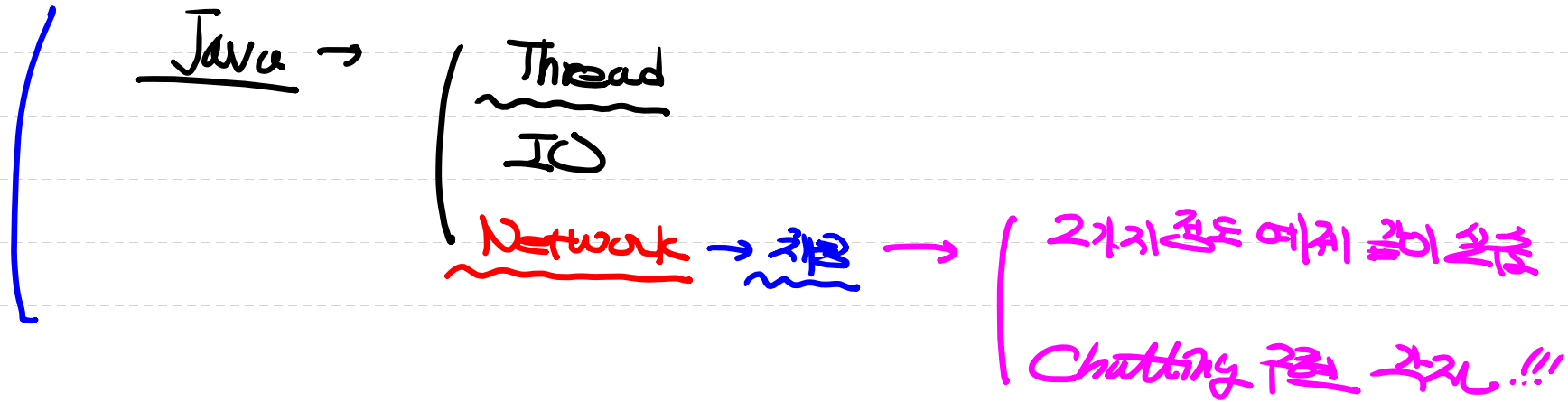
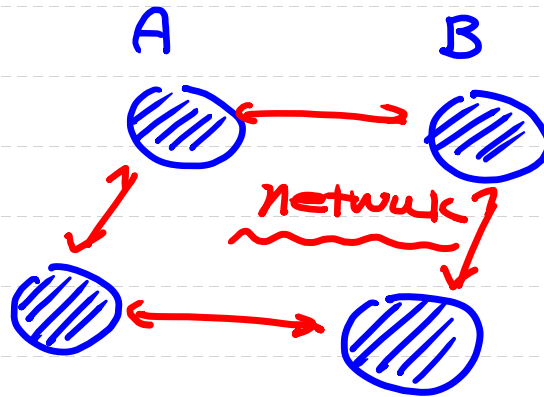


· 07/18



① Internet



LAN (Local Area Network)

WAN (Wide Area Network)

MAN

* Network of Network



IP address는 NIC이 붙는
Network Interface
Card

데이터 통신을 하려면 IP address

ARP

논리적인 주소

MAC Address
↓
물리적인 주소

IPv4 32bit 주소
IPv6

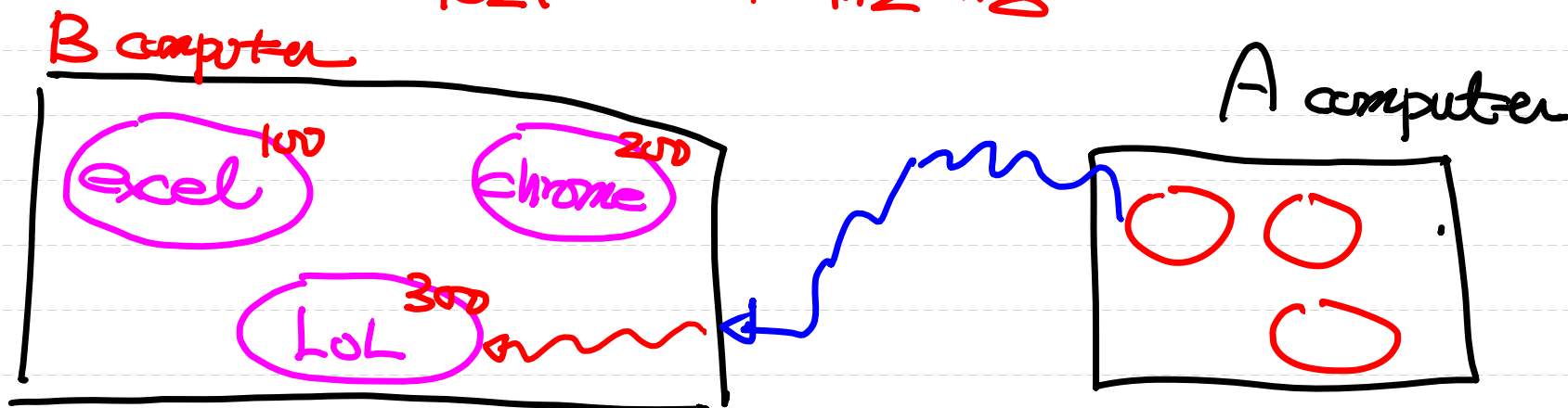


IP address

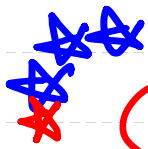
★ Protocol : 데이터 통신을 위해 지켜야 할 규칙 ★

→ HTTP
FTP
SMTP
TELNET
TCP/IP

★ Port : 0~65535 (0~1023 : reserved
1024 ~ : 여가를 사용)



Berkeley



Socket

Network 라이브러리
→ ~~복잡한~~ protocol에 상관없이
쉽게 프로그램을 작성

Java



Socket class

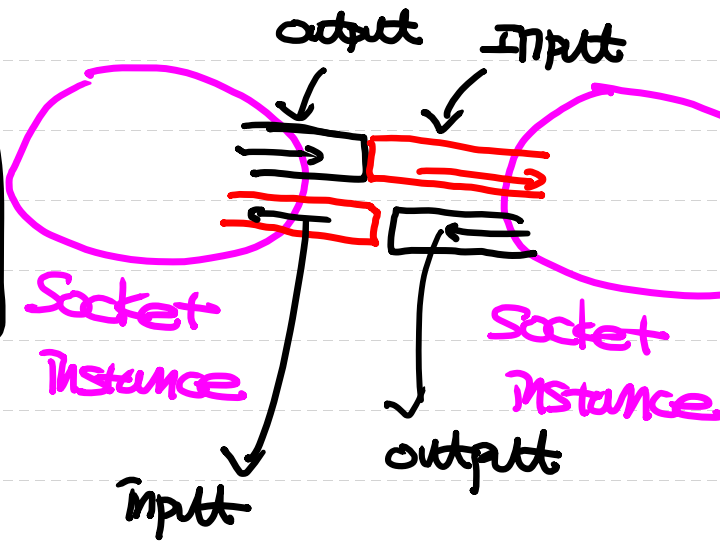
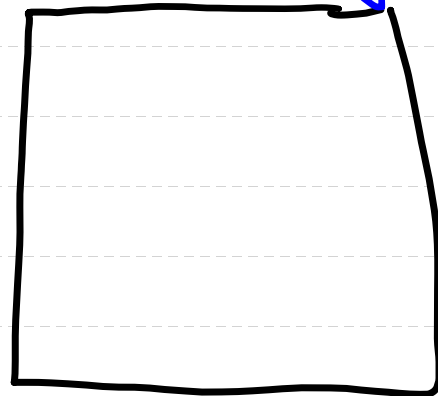
→ application의 Data 통신을
쉽게 할 수 있어요!!!

CS 구조 (Client - Server)

능동적으로
전송

접속을 기다림!

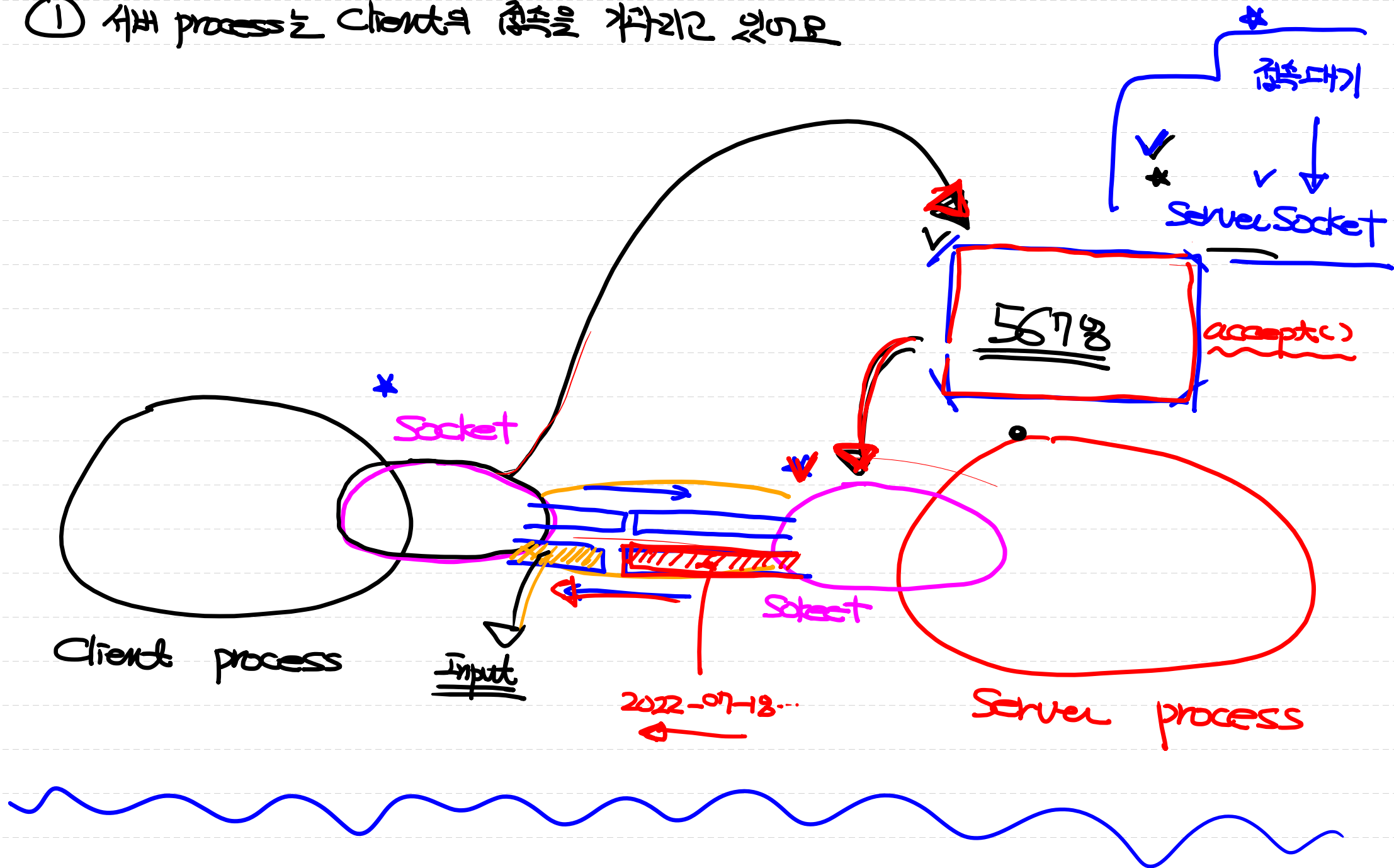
Client program



Server program



① 서버 process는 client의 접속을 기다리고 있음



① ~~연습문제~~ 1.

* ~~구현~~ Client에게 서버는 현재 날짜를 귀송!!

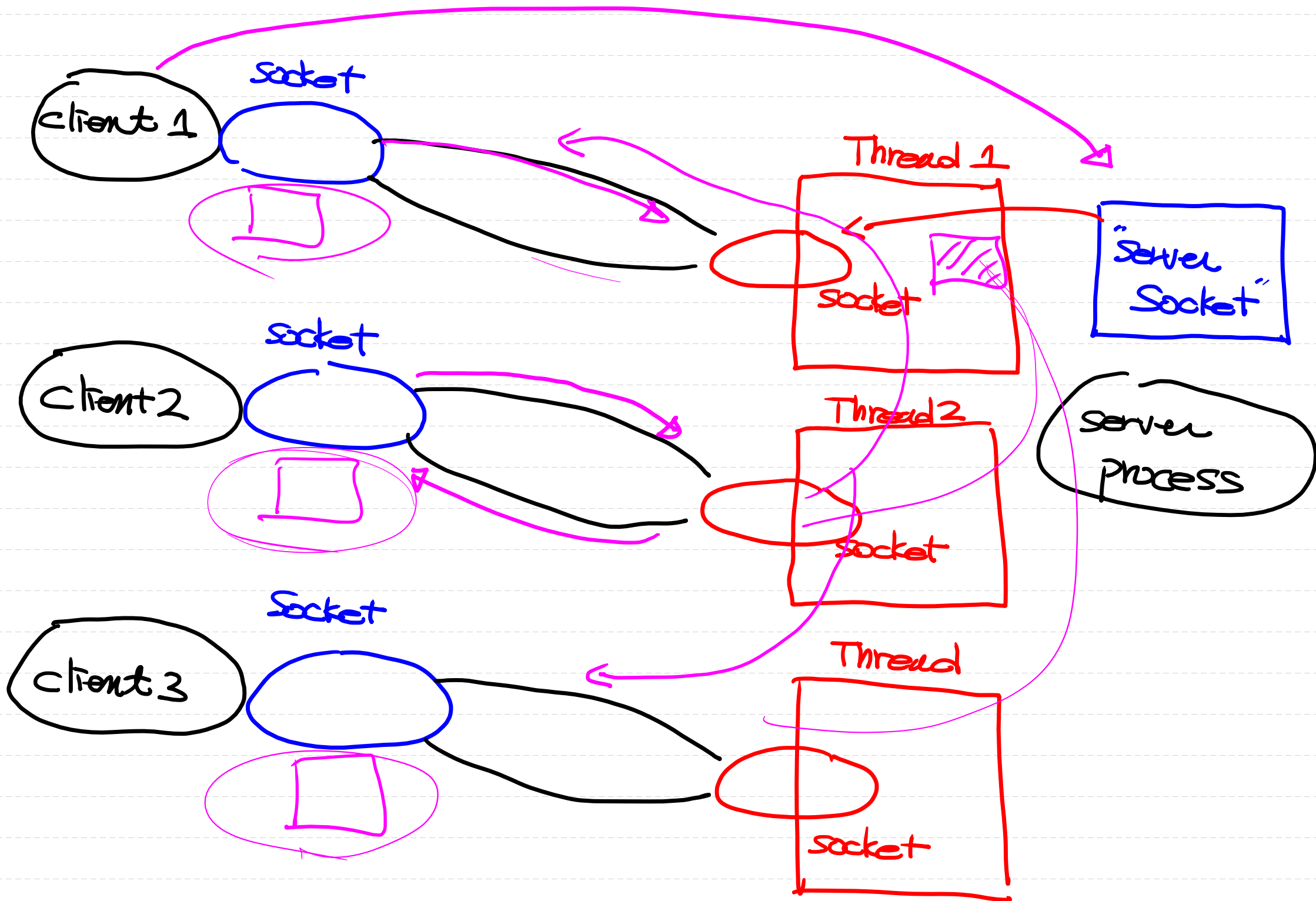
② ~~연습문제~~ 2.

↓ 기본 Echo program 구현
클라이언트 "exit" 를 입력하면 종료

③ ~~연습문제~~ 3.

방 1 개짜리 chatting program 구현

↓
그럼으로 알아보아요~



While (true) {

Socket s = serverSocket.accept()



공통객체에 socket을 저장 (ArrayList)



Thread 생성 (공통객체)



Thread.start() ; → "run을 위해
Client 연결"

}

공통객체

공method

