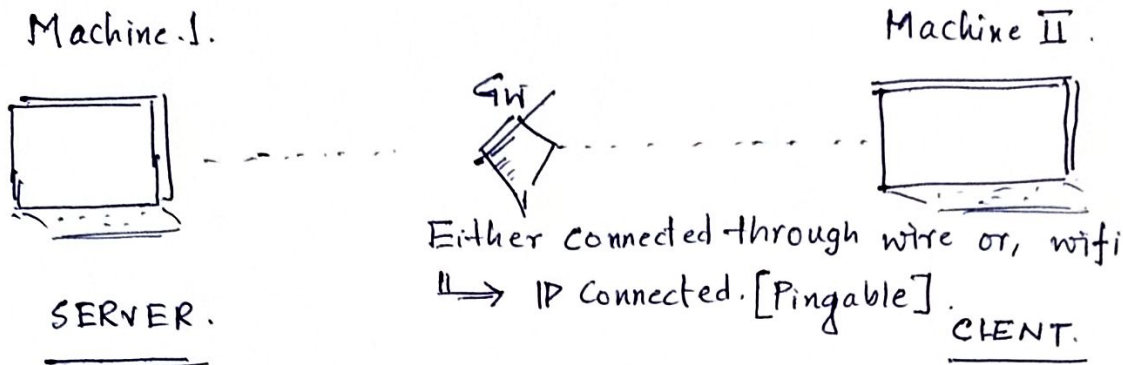


TCP SERVER. CLIENT



* The domain is AF_INET
 Inter Networking.

* Type is sock-STREAM
 \Rightarrow Connection should be established before hand. [SYN \equiv SYN-ACK \equiv ACK]

That part is taken care by the tcp library itself with the connect() api.

* Here server data should contain ip address
[not] path name.

* Install wire shark. Start filtering packet sniffing with
 - server ip
 - client ip
 - protocol - tcp.

```
id = socket()
bind(id, SERVER DATA, length);
    ↳ sock addr *
listen(id, backlog);
accept(id, BLANK CLIENT, length);
    ↳ new fd-c  $\Rightarrow$  for client.
```

```
while (1) {
    write()  $\leftarrow$  new fd-c.
    read()  $\leftarrow$  new fd-c
}
```

```
id = socket()
// bind is optional.
connect(id, SERV. DATA, length);
    ↳ Filled up.
```

```
while (1) {
    read(id);
    write(id); ...
}
```