Scenario 1

Client not able to Connect to <host>:9091 in broker 1

Questions to ask:

- What were you trying to do?

- What was your expected output?

- What output you got ? (broker side)

- get all the details required to reproduce the same scenario.

    - get host name

    - get port number

    - get the command used

    - get client properties used

    - if certificates were used then ask for the required certs (keystore, truststore)

Diagnosis:

- check if port is connecting

```
$ telnet <host> 9091
```

    - if port connected ⇒ port is up and running

    - if port not connected ⇒ something might be wrong with the port or host

- check if other ports is running for that host

```
$ telnet <host> 22
```

- if port connected ⇒ same host connecting with other ports
    - possible that host is up and running and issue is with the port 9091
- get inside host maching and check if port is listening

```
$ telnet localhost 9091
```

- if port not connecting ⇒ port not accessible from inside as well
- else ⇒ port listening from inside but not outside
    - fierwall might be blocking that port in the machine

- Get location of <u>server.properties</u> file , logs file of the broker
    - get pid
    - get required file location
    - chech <u>server.properties</u> for listeners and advertised listeners
    - check log file for error and warnings

```
$ sudo netstat -tulpn
```

```
$ ps aux | grep <pid>
```

- check RAM usage of machine

```
$ free
$ free --giga
```

- check for cpu usage

```
$ top
$ sudo iotop
```

- Run the command used by client inside host machine

    - If working ⇒ port listening from inside

        - host machine might be blocking that perticular port

- Check firewall status

```
$ sudo ufw status
```

- can check if port 9091 has firewall enabled

    - if yes that is the issue and can be resloved by disabling firewall at port 9091