Service-oriented Architecture INT 3505 1

Homework 1: Socket programming

1. Team member

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2. How to run

Run the server first,

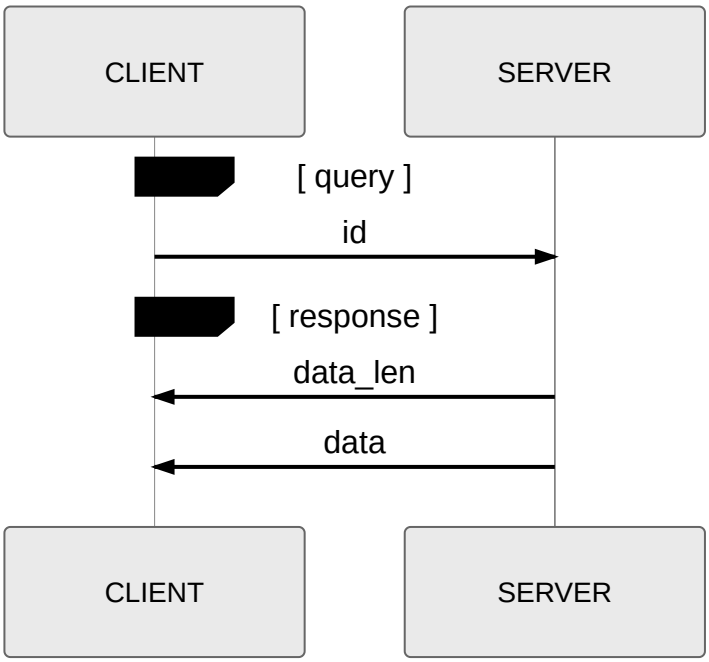
```
python3 server.py
```

then the client

```
python3 client.py
```

Enter the ID to get the information.

3. Description



As TCP transmission doesn't have `EOT` , the size of the data must be known beforehand.

First, the client sends the id (`MAX_ID_LEN=64` bytes max) to the server.

Then the server replies with the length of the data (itself `MAX_HEAD_LEN=4` bytes max), simulating a `LEN` header.

Finally, after obtaining the data size to read, the client receives data from the server, in `MAX_BUF=4096` -byte chunk.

4. Screenshot