

Computer Network and Applications

Programming Assignment 2

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Environment

Developed in WSL Ubuntu. All Linux systems should be able to execute the program. The execution file is compiled on a computer with Intel x86 architecture.

Ways to compile

Directly type “make” in the bash then the program will be compiled since the make file has already been correctly set up.

Ways to execute

Execute the prompt below:

`./server <port> [-verbose]`

The flag “-verbose” means that the server will output logs. *(This part is added after the demo.)*

For example: the prompt

`./server 3000`

will run the server on the 3000 port without printing logs.

`./server 3000 -verbose`

will run the server with logs printed out.

Below is the execution result with verbose mode enabled.

```
New connection from 127.0.0.1:48594
Kevin register
Kevin login
Kevin list
New connection from 127.0.0.1:33988
Alice register
Alice login
Alice list
Alice list
Alice transfer 300 to Kevin
Transfer OK
```

If the wrong format of prompt is inputted, then the following message will be printed.

```
Usage: ./server <port> [-verbose]
```