(1) 打开 Linux (我默认是 Ubuntu) 的终端, 进入 build 目录, 依次执行 cmake 和 make 指令 (GitHub 文件夹已经执行 cmake 和 make, 如要重新生成, 请先删除 build 和 bin 内文件)

```
fangchen@fangchen-virtual-machine:~/instant_messaging_utility/build$ cmake ..
-- The C compiler identification is GNU 4.8.5
   The CXX compiler identification is GNU 4.8.5
-- Check for working C compiler: /usr/bin/cc
-- Check for working C compiler: /usr/bin/cc
-- Detecting C compiler ABI info
-- Detecting C compiler ABI info - done
-- Detecting C compile features
-- Detecting C compile features - done
-- Check for working CXX compiler: /usr/bin/c++
-- Check for working CXX compiler: /usr/bin/c++ -- works
-- Detecting CXX compiler ABI info
-- Detecting CXX compiler ABI info - done
-- Detecting CXX compile features
-- Detecting CXX compile features - done
-- Configuring done
-- Generating done
 - Build files have been written to: /home/fangchen/instant_messaging_utility/bu
ild
```

(2) 然后进入 bin 目录, 首先运行 chatroom_server

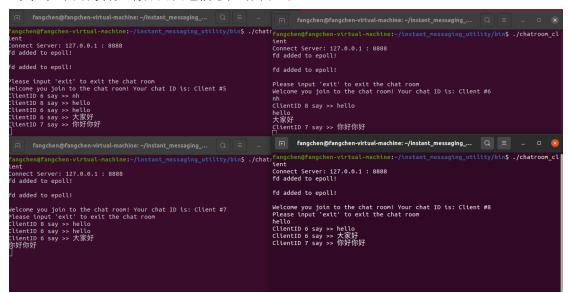
```
fangchen@fangchen-virtual-machine:~/instant_messaging_utility/bin$ ./chatroom_se
rver
Init Server...
Start to listen: 127.0.0.1
fd added to epoll!
```

(3) 之后打开新的终端运行 chatroom_client

```
fangchen@fangchen-virtual-machine:~/instant_messaging_utility/bin$ ./chatroom_cl
ient
Connect Server: 127.0.0.1 : 8888
fd added to epoll!
fd added to epoll!
Please input 'exit' to exit the chat room
Welcome you join to the chat room! Your chat ID is: Client #5
```

(4) 可以看到服务端和客户端分别有一些日志输出,客户端也会收到欢迎信息。为了加入 更多的客户,可以打开新的终端,启动新的客户,每个客户的 clientfd 是不同的,发出去的 消息在其他客户界面都可以看到来源。

(5) 在不同的客户端界面发送信息, 结果如下



(6) 输入 exit 推出聊天室

