4110056030 鄭詠謙

● 用戶進入聊天室:

server

```
D:\興大\大三下\python\HW\hw4>python server.py
Server listening......
Accepted connection from ('127.0.0.1', 11839)
nana join
Accepted connection from ('127.0.0.1', 11840)
jaja join
Accepted connection from ('127.0.0.1', 11841)
kaka join
```

client

```
D:\興大\大三下\python\HW\hw4>python client.py
Connected to server
Received: User name
nana
Received: nana join
Received: instructions: /exit, /search, /private, /broadcast, /play
```

```
D:\興大\大三下\python\HW\hw4>python client.py
Connected to server
Received: User name
jaja
Received: jaja join
Received: instructions: /exit, /search, /private, /broadcast, /play
```

```
D:\興大\大三下\python\HW\hw4>python client.py
Connected to server
Received: User name
kaka
Received: kaka join
Received: instructions: /exit, /search, /private, /broadcast, /play
```

● 查詢 server 上的用戶名稱(/search):

```
/search
Received: 0:nana 1:jaja 2:kaka
Received: ok
```

● 私人訊息給指定用戶(/private):

```
/private
Received: target ID
nana
Received: message
hi
Received: ok
```

```
Connected to server
Received: User name
nana
Received: nana join
Received: instructions: /exit, /search, /private, /broadcast, /play
Received: jaja join
Received: kaka join
/search
Received: 0:nana 1:jaja 2:kaka
Received: ok
Received: jaja: hi
```

● 將訊息群發給所有用戶(/broadcast):

```
nana
Received: message
hi
Received: ok
Received: hi guys~
```
```
/broadcast
Received: message
hi guys~
Received: hi guys~
Received: ok
```

● 用戶連線小遊戲(/play):

關主:

```
/play
Received: Answer:
1234
Received: --------------------
start game:
```

玩家 1:

```
/play
Received: --------------------
start game:
1569
Received: jaja:1A0B
```

玩家 2:

```
/play
Received: --------------------
start game:
4567
Received: kaka:0A1B
Received: jaja:1A0B
```

可連續猜數字直到猜對:

```
/play
Received: --------------------
start game:
4567
Received: kaka:0A1B
Received: jaja:1A0B
Received: jaja:3A0B
1234
Received: kaka:4A0B
kaka Win!End. Type /play to start a new game.
```

● 離開(/exit):

```
/exit

D:\興大\大三下\python\HW\hw4>
```

詳細步驟參考影片：

4110056030_hw4_demo.mp4