

Outputs screenshots:

1. The new server has been made

```
a — python server.py localhost 3006 — 80x22
(base) rafisyafrinaldi@192 a % python server.py localhost 3006
PyconChat Server running
```

2. The first Client has entered the room

```
a — python client.py localhost 3006 — 80x42
(base) rafisyafrinaldi@192 a % python client.py localhost 3006
Welcome to PyconChat! Please enter your username: user1
Please enter the name of the group: roomA
You have created the group roomA and are now an admin.
Available Commands:
/1 -> View Join Requests (Admins)
/2 -> Approve Join Requests (Admin)
/3 -> Disconnect
/4 -> View All Members
/5 -> View Online Group Members
/6 -> Transfer Adminship
/7 -> Check Group Admin
/8 -> Kick Member
/9 -> File Transfer
/10 -> Play Rock Paper Scissor
/11 -> Join Rock Paper Scissor
Type anything else to send a message

a — python server.py localhost 3006 — 80x22
(base) rafisyafrinaldi@192 a % python server.py localhost 3006
PyconChat Server running
New Group: roomA | Admin: user1
```

3. Another client has entered the room

```
a — python client.py localhost 3006 — 80x42
(base) rafisyafrinaldi@192 a % python client.py localhost 3006
Welcome to PyconChat! Please enter your username: user1
Please enter the name of the group: roomA
You have created the group roomA and are now an admin.
Available Commands:
/1 -> View Join Requests (Admins)
/2 -> Approve Join Requests (Admin)
/3 -> Disconnect
/4 -> View All Members
/5 -> View Online Group Members
/6 -> Transfer Adminship
/7 -> Check Group Admin
/8 -> Kick Member
/9 -> File Transfer
/10 -> Play Rock Paper Scissor
/11 -> Join Rock Paper Scissor
Type anything else to send a message
PyconChat: user2 has requested to join the group.

a — python server.py localhost 3006 — 80x22
(base) rafisyafrinaldi@192 a % python server.py localhost 3006
PyconChat Server running
New Group: roomA | Admin: user1
Join Request: user2 | Group: roomA

a — python client.py localhost 3006 — 80x42
(base) rafisyafrinaldi@192 a % python client.py localhost 3006
Welcome to PyconChat! Please enter your username: user2
Please enter the name of the group: roomA
Your request to join the group is pending admin approval.
Available Commands:
/1 -> Disconnect

Your join request has been approved. Press any key to begin chatting.
Available Commands:
/1 -> View Join Requests (Admins)
/2 -> Approve Join Requests (Admin)
/3 -> Disconnect
/4 -> View All Members
/5 -> View Online Group Members
/6 -> Transfer Adminship
/7 -> Check Group Admin
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/9 -> File Transfer
/10 -> Play Rock Paper Scissor
/11 -> Join Rock Paper Scissor
Type anything else to send a message

a — python client.py localhost 3006 — 80x42
(base) rafisyafrinaldi@192 a % python client.py localhost 3006
Welcome to PyconChat! Please enter your username: user1
Please enter the name of the group: roomA
You have joined the group roomA
Available Commands:
/1 -> View Join Requests (Admins)
/2 -> Approve Join Requests (Admin)
/3 -> Disconnect
/4 -> View All Members
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/6 -> Transfer Adminship
/7 -> Check Group Admin
/8 -> Kick Member
/9 -> File Transfer
/10 -> Play Rock Paper Scissor
/11 -> Join Rock Paper Scissor
Type anything else to send a message
PyconChat: user2 has requested to join the group.
/2
Please enter the username to approve:
user2
User has been added to the group.

a — python server.py localhost 3006 — 80x22
(base) rafisyafrinaldi@192 a % python server.py localhost 3006
PyconChat Server running
New Group: roomA | Admin: user1
Join Request: user2 | Group: roomA
User Connected: user1 | Group: roomA
Join Request: user2 | Group: roomA
Member Approved: user2 | Group: roomA
```

#### 4. Chatting process and leaving the room

```
a - python server.py localhost 3006 -- 80x22
(base) rafisyafrinaldi@192 a % python server.py localhost 3006
PyconChat Server running
New Group: roomA | Admin: user1
Join Request: user2 | Group: roomA
User Connected: user1 | Group: roomA
Join Request: user2 | Group: roomA
Member Approved: user2 | Group: roomA
User Disconnected: user2 | Group: roomA
User Disconnected: user1 | Group: roomA
[]

PyconChat: user2 has requested to join the group.
/2
Please enter the username to approve:
user2
User has been added to the group.
halo
user2: hi
how are you?
user2: I'm fine, and how about you?
I'm good, thanks!
user2: byeAlright, nice chat, ttyl!
okay, bye!
/3
Disconnected from PyconChat.
(base) rafisyafrinaldi@192 a %

/9 -> File Transfer
/10 -> Play Rock Paper Scissor
/11 -> Join Rock Paper Scissor
Type anything else to send a message
a
user1: halo
hi
user1: how are you?
I'm fine, and how about you?
byeuser1: I'm good, thanks!
Alright, nice chat, ttyl!
user1: okay, bye!
/3
Disconnected from PyconChat.
(base) rafisyafrinaldi@192 a %
```

#### 5. Playing Rock, Paper, Scissor process

```
Game Client
Name: user1 Connect
Server says: Welcome user1! Waiting for player 2
Your name: user1 Opponent: user2
Game round 1 starts in 0
**** GAME LOG ****

a - python - python server.py localhost 3007 -- 80x22
(base) rafisyafrinaldi@192 a % python server.py localhost 3007
PyconChat Server running
New Group: roomA | Admin: user1
Join Request: user2 | Group: roomA
Member Approved: user2 | Group: roomA
AddressFamily.AF_INET
SocketKind.SOCK_STREAM
game timer is: 3
game timer is: 2
game timer is: 2
game timer is: 1
game timer is: 1
game timer is: 0
game timer is: 0

a - python client.py localhost 3007 -- 80x42
(base) rafisyafrinaldi@192 a % python client.py localhost 3007
Welcome to PyconChat! Please enter your username: user1
Please enter the name of the group: roomA
You have created the group roomA and are now an admin.
Available Commands:
/1 -> View Join Requests (Admins)
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/10 -> Play Rock Paper Scissor
/11 -> Join Rock Paper Scissor
Type anything else to send a message
PyconChat: user2 has requested to join the group.
/2
Please enter the username to approve:
user2
User has been added to the group.
/10
[]

a - python client.py localhost 3007 -- 80x42
(base) rafisyafrinaldi@192 a % python client.py localhost 3007
Welcome to PyconChat! Please enter your username: user2
Please enter the name of the group: roomA
Your request to join the group is pending admin approval.
Available Commands:
/1 -> Disconnect
Your join request has been approved. Press any key to begin chatting.
Available Commands:
/1 -> View Join Requests (Admins)
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/10 -> Play Rock Paper Scissor
/11 -> Join Rock Paper Scissor
Type anything else to send a message
/11
[]
```

