

Activities

Terminator

Jan 27 21:30

nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files

```
nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2  
nisarg@nisarg-Alienware-A51m:~/data/assignments/sns  
3_assign_1/py_files$ python3 peer.py 127.0.0.30:500  
uuid : baac9732-60b8-11eb-bc2f-f9f6d38e3cc7  
des_key : c69d870a6398081de452a775
```

```
08 nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/24_2020  
_assign_1/py files$ python3 peer.py 127.0.0.36:50036  
uuid : bb182362-60b8-11eb-bc2f-f9f6d38e3cc7  
des key : 82af79caa8be379e25fb440c
```

```
nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2  
nisarg@nisarg-Alienware-A51m:~/data/assignments/sns  
3_assign_1/py files$ python3 peer.py 127.0.0.32:500  
uuid : bbc28ec4-60b8-11eb-bc2f-f9f6d38e3cc7  
des key : 8acce5f9335258a0bd3d847d
```

```
nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files  
nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083  
_assign_1/py files$ python3 peer.py 127.0.0.38:50038  
uuid : bb733216-60b8-11eb-bc2f-f9f6d38e3cc7  
des key : 79c568d70588be5fa5dfcd76
```

```
nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083 assign_1/
```

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nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files

```
nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files$ python3 peer.py 127.0.0.30:50030
uuid : baac9732-60b8-11eb-bc2f-f9f6d38e3cc7
des_key : c69d870a6398081de452a775
```

```
:signup a a
serv_reply : True [1, 'Command executed successfully']
:
```

```
nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files$ python3 peer.py 127.0.0.32:50032
uuid : bbc28ec4-60b8-11eb-bc2f-f9f6d38e3cc7
des_key : 8acce5f9335258a0bd3d847d
```

:[

```
nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files$ python3 peer.py 127.0.0.38:50038
uuid : bb733216-60b8-11eb-bc2f-f9f6d38e3cc7
des_key : 79c568d70588be5fa5dfcd76
```

:[

:[

nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files

```
nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files$ python3 peer.py 127.0.0.36:50036
uuid : bb182362-60b8-11eb-bc2f-f9f6d38e3cc7
des_key : 82af79caa8be379e25fb440c
```

:[

nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files

```
nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files$ python3 peer.py 127.0.0.38:50038
uuid : bb733216-60b8-11eb-bc2f-f9f6d38e3cc7
des_key : 79c568d70588be5fa5dfcd76
```

:[

nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files

```
nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files$ 
```

:[

Activities

 Terminator ▾

Jan 27 21

nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24 2020201041 2020201060 2020202012 2020201083 assign_1/py files

```
nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24  
nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/  
3_assign_1/py_files$ python3 peer.py 127.0.0.30:5000  
uuid : baac9732-60b8-11eb-bc2f-f9f6d38e3cc7  
des_key : c69d870a6398081de452a775
```

```
:signup a a
serv_reply : True [1, 'Command executed successfully']
:signin a wrongpassword
serv_reply : True [-1, 'Non Valid command / Command executed un-successfully / Wrong credential']
```

```
nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/  
nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files$ python3 peer.py 127.0.0.32:50032  
uuid : bbc28ec4-60b8-11eb-bc2f-f9f6d38e3cc7  
des key : 8acce5f9335258a0bd3d847d
```

```
nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py_files$
```

```
nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files$ python3 peer.py 127.0.0.36:50036  
uuid : bb182362-60b8-11eb-bc2f-f9f6d38e3cc7  
des key : 82af79caa8be379e25fb440c
```

```
nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files  
nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083  
_assign_1/py files$ python3 peer.py 127.0.0.38:50038  
uuid : bb733216-60b8-11eb-bc2f-f9f6d38e3cc7  
des key : 79c568d70588be5fa5dfcd76
```

```
nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files
```

Activities

Terminator

Jan 27 21:3

nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083 assign_1/py files

```
✉ nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2  
nisarg@nisarg-Alienware-A51m:~/data/assignments/sns  
3_assign_1/py files$ python3 peer.py 127.0.0.30:500  
uuid : baac9732-60b8-11eb-bc2f-f9f6d38e3cc7  
des_key : c69d870a6398081de452a775
```

```
:signup a a
serv_reply : True [1, 'Command executed successfully']
:signin a wrongpassword
serv_reply : True [-1, 'Non Valid command / Command executed un-successfully / Wrong credentials']
:signin a a
serv_reply : True [1, 'Command executed successfully']
```

```
nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2  
nisarg@nisarg-Alienware-A51m:~/data/assignments/sns  
3_assign_1/py files$ python3 peer.py 127.0.0.32:500  
uuid : bbc28ec4-60b8-11eb-bc2f-f9f6d38e3cc7  
des key : 8acce5f9335258a0bd3d847d
```

```
nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083 assign_1/p  
nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083 assign_1/p  
3_assign_1/py files$
```

```
8 nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/24_2020
nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/_assign_1/py files$ python3 peer.py 127.0.0.36:50036
uuid : bb182362-60b8-11eb-bc2f-f9f6d38e3cc7
des key : 82af79caa8be379e25fb440c
```

```
8 nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/24_2020
nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/_assign_1/py files$ python3 peer.py 127.0.0.38:50038
uuid : bb733216-60b8-11eb-bc2f-f9f6d38e3cc7
des key : 79c568d70588be5fa5dfcd76
```

```
8 nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files$
```

Activities

Terminator

Jan 27 21:3

nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083 assign_1/py files

```
✉ nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24 2  
nisarg@nisarg-Alienware-A51m:~/data/assignments/sns  
3_assign_1/py files$ python3 peer.py 127.0.0.30:500  
uuid : baac9732-60b8-11eb-bc2f-f9f6d38e3cc7  
des_key : c69d870a6398081de452a775
```

```
:signup a a
serv_reply : True [1, 'Command executed successfully']
:signin a wrongpassword
serv_reply : True [-1, 'Non Valid command / Command executed un-successfully / Wrong credentials']
:signin a a
serv_reply : True [1, 'Command executed successfully']
```

```
nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083 assign_1.py
nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083 assign_1.py$ python3 peer.py 127.0.0.32:50032
uuid : bbc28ec4-60b8-11eb-bc2f-f9f6d38e3cc7
des key : 8acce5f9335258a0bd3d847d
```

```
:signup a existinguser
serv_reply : True [-1, 'Non Valid command / Command executed un-successfully / Username already
en']
:
```

```
nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/p  
nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files$
```

```
8 nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/24 2020  
nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/_assign_1/py files$ python3 peer.py 127.0.0.36:50036  
uuid : bb182362-60b8-11eb-bc2f-f9f6d38e3cc7  
des_key : 82af79ca8be379e25fb440c
```

```
8 nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/24_2020
nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/_assign_1/py files$ python3 peer.py 127.0.0.38:50038
uuid : bb733216-60b8-11eb-bc2f-f9f6d38e3cc7
des key : 79c568d70588be5fa5dfcd76
```

```
8 nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/24_2020
```

Activities

Terminator

Jan 27 21:31

nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files

```
>_ nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files$ python3 peer.py 127.0.0.30:50030
uuid : baac9732-60b8-11eb-bc2f-f9f6d38e3cc7
des_key : c69d870a6398081de452a775
```

```
:signup a a
serv_reply : True [1, 'Command executed successfully']
:signin a wrongpassword
serv_reply : True [-1, 'Non Valid command / Command executed un-successfully / Wrong credentials']
:signin a a
serv_reply : True [1, 'Command executed successfully']
:[]
```

```
>_ nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files$ python3 peer.py 127.0.0.32:50032
uuid : bbc28ec4-60b8-11eb-bc2f-f9f6d38e3cc7
des_key : 8acce5f9335258a0bd3d847d
```

```
:signup a existinguser
serv_reply : True [-1, 'Non Valid command / Command executed un-successfully / Username already taken']
:signup b b
serv_reply : True [1, 'Command executed successfully']
:signin b b
serv_reply : True [1, 'Command executed successfully']
:[]
```

```
>_ nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files$ []
```

```
nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files$ python3 peer.py 127.0.0.36:50036
uuid : bb182362-60b8-11eb-bc2f-f9f6d38e3cc7
des_key : 82af79caa8be379e25fb440c
```

```
:signup c c
serv_reply : True [1, 'Command executed successfully']
:signin c c
serv_reply : True [1, 'Command executed successfully']
:[]
```

```
>_ nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files$ python3 peer.py 127.0.0.38:50038
uuid : bb733216-60b8-11eb-bc2f-f9f6d38e3cc7
des_key : 79c568d70588be5fa5dfcd76
```

```
:[]
```

```
>_ nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files$ []
```

Activities

Terminator

Jan 27 21

nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083 assign_1/py files

```
✉ nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/|  
nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files$ python3 peer.py 127.0.0.30:50030  
uuid : baac9732-60b8-11eb-bc2f-f9f6d38e3cc7  
des key : c69d870a6398081de452a775
```

```
:signup a a
serv_reply : True [1, 'Command executed successfully']
:signin a wrongpassword
serv_reply : True [-1, 'Non Valid command / Command executed un-successfully / Wrong credentials']
:signin a a
serv_reply : True [1, 'Command executed successfully']
:shared_key : 0825cb168c1bc1f0cc0f0703
c : hello to a (c has never talk to a so we'll first exchange key)
```

```
✉ nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/ [1]
nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/ [2]
3_assign_1/py files$ python3 peer.py 127.0.0.32:50032
uuid : bbc28ec4-60b8-11eb-bc2f-f9f6d38e3cc7
des_key : 8acce5f9335258a0bd3d847d
```

```
:signup a existinguser
serv_reply : True [-1, 'Non Valid command / Command executed un-successfully / Username already
en']
:signup b b
serv_reply : True [1, 'Command executed successfully']
:signin b b
serv_reply : True [1, 'Command executed successfully']
:[]
```

```
nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/
```

```
nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1  
nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083  
_assign_1/py files$ python3 peer.py 127.0.0.36:50036  
uuid : bb182362-60b8-11eb-bc2f-f9f6d38e3cc7  
des key : 82af79caa8be379e25fb440c
```

```
:signup c c
serv_reply :  True [1, 'Command executed successfully']
:signin c c
serv_reply :  True [1, 'Command executed successfully']
:send a msg hello to a (c has never talk to a so we'll first exchange key)
['send', 'a', 'msg', "hello to a (c has never talk to a so we'll first exchange key)"]
shared_key :  0825cb168c1bc1f0cc0f0703
serv_reply :  True []
:
```

```
nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083
_assign_1/py files$ python3 peer.py 127.0.0.38:50038
uuid : bb733216-60b8-11eb-bc2f-f9f6d38e3cc7
des key : 79c568d70588be5fa5dfcd76
```

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```
nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
```

Activities

Terminator

Jan 27 21:32

nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files

```
>_ nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files$ python3 peer.py 127.0.0.30:50030
uuid : baac9732-60b8-11eb-bc2f-f9f6d38e3cc7
des_key : c69d870a6398081de452a775
```

```
:signup a a
serv_reply : True [1, 'Command executed successfully']
:signin a wrongpassword
serv_reply : True [-1, 'Non Valid command / Command executed un-successfully / Wrong credentials']
:signin a a
serv_reply : True [1, 'Command executed successfully']
:shared_key : 0825cb168c1bc1f0cc0f0703
c : hello to a (c has never talk to a so we'll first exchange key)
[]
```

```
>_ nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files$ python3 peer.py 127.0.0.32:50032
uuid : bbc28ec4-60b8-11eb-bc2f-f9f6d38e3cc7
des_key : 8acce5f9335258a0bd3d847d
```

```
:signup a existinguser
serv_reply : True [-1, 'Non Valid command / Command executed un-successfully / Username already taken']
:signup b b
serv_reply : True [1, 'Command executed successfully']
:signin b b
serv_reply : True [1, 'Command executed successfully']
:shared_key : 3394e0eead82c8446efce59f
c : hello to b (c has never talk to b so we'll first exchange key)
[]
```

```
>_ nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files$ []
```

```
nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files$ python3 peer.py 127.0.0.36:50036
uuid : bb182362-60b8-11eb-bc2f-f9f6d38e3cc7
des_key : 82af79caa8be379e25fb440c
```

```
:signup c c
serv_reply : True [1, 'Command executed successfully']
:signin c c
serv_reply : True [1, 'Command executed successfully']
:send a msg hello to a (c has never talk to a so we'll first exchange key)
['send', 'a', 'msg', "hello to a (c has never talk to a so we'll first exchange key)"]
shared_key : 0825cb168c1bc1f0cc0f0703
serv_reply : True []
:send b msg hello to b (c has never talk to b so we'll first exchange key)
['send', 'b', 'msg', "hello to b (c has never talk to b so we'll first exchange key)"]
shared_key : 3394e0eead82c8446efce59f
serv_reply : True []
[]
```

```
>_ nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files$ python3 peer.py 127.0.0.38:50038
uuid : bb733216-60b8-11eb-bc2f-f9f6d38e3cc7
des_key : 79c568d70588be5fa5dfcd76
```

```
[]
```

```
>_ nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files$ []
```

Activities

Terminator

Jan 27 21:32

nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files

```
✉ nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083 assign_1/p  
nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files$ python3 peer.py 127.0.0.30:50030  
uuid : baac9732-60b8-11eb-bc2f-f9f6d38e3cc7  
des key : c69d870a6398081de452a775
```

```
:signup a a
serv_reply : True [1, 'Command executed successfully']
:signin a wrongpassword
serv_reply : True [-1, 'Non Valid command / Command executed un-successfully / Wrong credentials']
:signin a a
serv_reply : True [1, 'Command executed successfully']
:shared_key : 0825cb168c1bc1f0cc0f0703
c : hello to a (c has never talk to a so we'll first exchange key)
```

```
nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/p  
3_assign_1/py files$ python3 peer.py 127.0.0.32:50032  
uuid : bbc28ec4-60b8-11eb-bc2f-f9f6d38e3cc7  
des_key : 8acce5f9335258a0bd3d847d
```

```
:signup a existinguser
serv_reply : True [-1, 'Non Valid command / Command executed un-successfully / Username already
en']
:signup b b
serv_reply : True [1, 'Command executed successfully']
:signin b b
serv_reply : True [1, 'Command executed successfully']
:shared_key : 3394e0eed82c8446efce59f
c : hello to b (c has never talk to b so we'll first exchange key)
send c msg sending msg to c from b
['send', 'c', 'msg', 'sending msg to c from b']
serv_reply : True []
:
```

```
nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083 assign_1/p  
nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083 assign_1/py files$
```

```
3 uid : bb182362-60b8-11eb-bc2f-f9f6d38e3cc7
des_key : 82af79caa8be379e25fb440c

:signup c c
serv_reply : True [1, 'Command executed successfully']
:signin c c
serv_reply : True [1, 'Command executed successfully']
:send a msg hello to a (c has never talk to a so we'll first exchange key)
['send', 'a', 'msg', "hello to a (c has never talk to a so we'll first exchange key)"]
shared_key : 0825cb168c1bc1f0cc0f0703
serv_reply : True []
:send b msg hello to b (c has never talk to b so we'll first exchange key)
['send', 'b', 'msg', "hello to b (c has never talk to b so we'll first exchange key)"]
shared_key : 3394e0eead82c8446efce59f
serv_reply : True []
:b : sending msg to c from b
```

```
nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083
_assign_1/py files$ python3 peer.py 127.0.0.38:50038
uuid : bb733216-60b8-11eb-bc2f-f9f6d38e3cc7
des key : 79c568d70588be5fa5dfcd76
```

1

```
nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083 assign_1/py files$
```

Activities

Terminator

Jan 27 21:33

nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files

```
✉ nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083 assign_1/p  
nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files$ python3 peer.py 127.0.0.30:50030  
uuid : baac9732-60b8-11eb-bc2f-f9f6d38e3cc7  
des key : c69d870a6398081de452a775
```

```
:signup a a
serv_reply : True [1, 'Command executed successfully']
:signin a wrongpassword
serv_reply : True [-1, 'Non Valid command / Command executed un-successfully / Wrong credentials']
:signin a a
serv_reply : True [1, 'Command executed successfully']
:shared_key : 0825cb168c1bc1f0cc0f0703
c : hello to a (c has never talk to a so we'll first exchange key)
shared_key : 2e7b66283f993fd7d30b5e40
b : sending msg to a and c from b in one command
```

```
✉ nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24 2020201041 2020201060 2020202012 2020201083 assign_1/p

:signup a existinguser
serv_reply : True [-1, 'Non Valid command / Command executed un-successfully / Username already
en']
:signup b b
serv_reply : True [1, 'Command executed successfully']
:signin b b
serv_reply : True [1, 'Command executed successfully']
:shared_key : 3394e0eead82c8446efce59f
c : hello to b (c has never talk to b so we'll first exchange key)
send c msg sending msg to c from b
['send', 'c', 'msg', 'sending msg to c from b']
serv_reply : True []
:send a,c msg sending msg to a and c from b in one command
['send', 'a,c', 'msg', 'sending msg to a and c from b in one command']
shared_key : 2e7b66283f993fd7d30b5e40
serv_reply : True []
:[]
```

```
nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083 assign_1/p  
nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083 assign_1/py files$
```

```
3 files 1 └─ ni...@ni...-Alienware-A51m: ~/data/assignments/sns/a1/24 2020201041 2020201060 2020202012 2020201083 assign_1/py files
des_key : 82af79caa8be379e25fb440c

:signup c c
serv_reply : True [1, 'Command executed successfully']
:signin c c
serv_reply : True [1, 'Command executed successfully']
:send a msg hello to a (c has never talk to a so we'll first exchange key)
['send', 'a', 'msg', "hello to a (c has never talk to a so we'll first exchange key)"]
shared_key : 0825cb168c1bc1f0cc0f0703
serv_reply : True []
:send b msg hello to b (c has never talk to b so we'll first exchange key)
['send', 'b', 'msg', "hello to b (c has never talk to b so we'll first exchange key)"]
shared_key : 3394e0eead82c8446efce59f
serv_reply : True []
:b : sending msg to c from b
b : sending msg to a and c from b in one command
```

```
nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083
_assign_1/py files$ python3 peer.py 127.0.0.38:50038
< uuid : bb733216-60b8-11eb-bc2f-f9f6d38e3cc7
des key : 79c568d70588be5fa5dfcd76
```

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Activities

Terminator

Jan 27 21:33

nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files

```
nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083 assign_1/p  
nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083 assign_1/p  
files$ python3 peer.py 127.0.0.30:50030  
uuid : baac9732-60b8-11eb-bc2f-f9f6d38e3cc7  
des key : c69d870a6398081de452a775
```

```
:signup a a
serv_reply : True [1, 'Command executed successfully']
:signin a wrongpassword
serv_reply : True [-1, 'Non Valid command / Command executed un-successfully / Wrong credentials']
:signin a a
serv_reply : True [1, 'Command executed successfully']
:shared_key : 0825cb168c1bc1f0cc0f0703
c : hello to a (c has never talk to a so we'll first exchange key)
shared_key : 2e7b66283f993fd7d30b5e40
b : sending msg to a and c from b in one command
c : sending msg to a and b from c in one command
```

```
✉ nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083 assign 1/p
:signup a existinguser
serv_reply : True [-1, 'Non Valid command / Command executed un-successfully / Username already
en']
:signup b b
serv_reply : True [1, 'Command executed successfully']
:signin b b
serv_reply : True [1, 'Command executed successfully']
:shared_key : 3394e0eead82c8446efce59f
c : hello to b (c has never talk to b so we'll first exchange key)
send c msg sending msg to c from b
['send', 'c', 'msg', 'sending msg to c from b']
serv_reply : True []
:send a,c msg sending msg to a and c from b in one command
['send', 'a,c', 'msg', 'sending msg to a and c from b in one command']
shared_key : 2e7b66283f993fd7d30b5e40
serv_reply : True []
:c : sending msg to a and b from c in one command
□
```

```
nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083 assign_1/p  
nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083 assign_1/py files$
```

```
08 files 1 └─ nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_202020108  
:signup c c  
serv_reply : True [1, 'Command executed successfully']  
:signin c c  
serv_reply : True [1, 'Command executed successfully']  
:send a msg hello to a (c has never talk to a so we'll first exchange key)  
['send', 'a', 'msg', "hello to a (c has never talk to a so we'll first exchange key)"]  
shared_key : 0825cb168c1bc1f0cc0f0703  
serv_reply : True []  
:send b msg hello to b (c has never talk to b so we'll first exchange key)  
['send', 'b', 'msg', "hello to b (c has never talk to b so we'll first exchange key)"]  
shared_key : 3394e0eead82c8446efce59f  
serv_reply : True []  
:b : sending msg to c from b  
b : sending msg to a and c from b in one command  
send a,b msg sending msg to a and b from c in one command  
['send', 'a,b', 'msg', 'sending msg to a and b from c in one command']  
serv_reply : True []  
:[]
```

```
nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083 assign 1/py files
nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083
_assign_1/py files$ python3 peer.py 127.0.0.38:50038
uuid : bb733216-60b8-11eb-bc2f-f9f6d38e3cc7
des key : 79c568d70588be5fa5dfcd76
```

1

```
nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083 assign 1/py files
```

```
nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files
```

```
>_ nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
uuid : baac9732-60b8-11eb-bc2f-f9f6d38e3cc7
des_key : c69d870a6398081de452a775
```

```
:signup a a
serv_reply : True [1, 'Command executed successfully']
:signin a wrongpassword
serv_reply : True [-1, 'Non Valid command / Command executed un-successfully / Wrong credentials']
:signin a a
serv_reply : True [1, 'Command executed successfully']
:shared_key : 0825cb168c1bc1f0cc0f0703
c : hello to a (c has never talk to a so we'll first exchange key)
shared_key : 2e7b66283f993fd7d30b5e40
b : sending msg to a and c from b in one command
c : sending msg to a and b from c in one command
create x
serv_reply : True [1, 'Command executed successfully']
:[]
```

```
>_ nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
en']
:signup b b
serv_reply : True [1, 'Command executed successfully']
:signin b b
serv_reply : True [1, 'Command executed successfully']
:shared_key : 3394e0eed82c8446efce59f
c : hello to b (c has never talk to b so we'll first exchange key)
send c msg sending msg to c from b
['send', 'c', 'msg', 'sending msg to c from b']
serv_reply : True []
:send a,c msg sending msg to a and c from b in one command
['send', 'a,c', 'msg', 'sending msg to a and c from b in one command']
shared_key : 2e7b66283f993fd7d30b5e40
serv_reply : True []
:c : sending msg to a and b from c in one command
join x
serv_reply : True []
:[]
```

```
>_ nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files$
```

```
:signup c c
serv_reply : True [1, 'Command executed successfully']
:signin c c
serv_reply : True [1, 'Command executed successfully']
:send a msg hello to a (c has never talk to a so we'll first exchange key)
['send', 'a', 'msg', "hello to a (c has never talk to a so we'll first exchange key)"]
shared_key : 0825cb168c1bc1f0cc0f0703
serv_reply : True []
:send b msg hello to b (c has never talk to b so we'll first exchange key)
['send', 'b', 'msg', "hello to b (c has never talk to b so we'll first exchange key)"]
shared_key : 3394e0eed82c8446efce59f
serv_reply : True []
:b : sending msg to c from b
b : sending msg to a and c from b in one command
send a,b msg sending msg to a and b from c in one command
['send', 'a,b', 'msg', 'sending msg to a and b from c in one command']
serv_reply : True []
:[]
```

```
>_ nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files$ python3 peer.py 127.0.0.38:50038
uuid : bb733216-60b8-11eb-bc2f-f9f6d38e3cc7
des_key : 79c568d70588be5fa5dfcd76
```

```
:[]
```

```
>_ nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files$
```

Activities

Terminator

Jan 27 21:34

nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files

```
>_ nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
  uuid : baac9732-60b8-11eb-bc2f-f9f6d38e3cc7
  des_key : c69d870a6398081de452a775
```

```
:signup a a
serv_reply : True [1, 'Command executed successfully']
:signin a wrongpassword
serv_reply : True [-1, 'Non Valid command / Command executed un-successfully / Wrong credentials']
:signin a a
serv_reply : True [1, 'Command executed successfully']
:shared_key : 0825cb168c1bc1f0cc0f0703
c : hello to a (c has never talk to a so we'll first exchange key)
shared_key : 2e7b66283f993fd7d30b5e40
b : sending msg to a and c from b in one command
c : sending msg to a and b from c in one command
create x
serv_reply : True [1, 'Command executed successfully']
:[]
```

```
>_ nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
en']
:signup b b
serv_reply : True [1, 'Command executed successfully']
:signin b b
serv_reply : True [1, 'Command executed successfully']
:shared_key : 3394e0eed82c8446efce59f
c : hello to b (c has never talk to b so we'll first exchange key)
send c msg sending msg to c from b
['send', 'c', 'msg', 'sending msg to c from b']
serv_reply : True []
:send a,c msg sending msg to a and c from b in one command
['send', 'a,c', 'msg', 'sending msg to a and c from b in one command']
shared_key : 2e7b66283f993fd7d30b5e40
serv_reply : True []
:c : sending msg to a and b from c in one command
join x
serv_reply : True []
:[]
```

```
>_ nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files$ []
```

```
:signup c c
serv_reply : True [1, 'Command executed successfully']
:signin c c
serv_reply : True [1, 'Command executed successfully']
:send a msg hello to a (c has never talk to a so we'll first exchange key)
['send', 'a', 'msg', "hello to a (c has never talk to a so we'll first exchange key)"]
shared_key : 0825cb168c1bc1f0cc0f0703
serv_reply : True []
:send b msg hello to b (c has never talk to b so we'll first exchange key)
['send', 'b', 'msg', "hello to b (c has never talk to b so we'll first exchange key)"]
shared_key : 3394e0eed82c8446efce59f
serv_reply : True []
:b : sending msg to c from b
b : sending msg to a and c from b in one command
send a,b msg sending msg to a and b from c in one command
['send', 'a,b', 'msg', 'sending msg to a and b from c in one command']
serv_reply : True []
:[]
```

```
>_ nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files$ python3 peer.py 127.0.0.38:50038
uuid : bb733216-60b8-11eb-bc2f-f9f6d38e3cc7
des_key : 79c568d70588be5fa5dfcd76

:signup d d
serv_reply : True [1, 'Command executed successfully']
:signin d d
serv_reply : True [1, 'Command executed successfully']
:create x
serv_reply : True [-1, 'Non Valid command / Command executed un-successfully / Group already exists']
:[]
```

```
>_ nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files$ []
```

Activities

Terminator

Jan 27 21:34

nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files

```
>_ nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
  uuid : baac9732-60b8-11eb-bc2f-f9f6d38e3cc7
  des_key : c69d870a6398081de452a775
```

```
:signup a a
serv_reply : True [1, 'Command executed successfully']
:signin a wrongpassword
serv_reply : True [-1, 'Non Valid command / Command executed un-successfully / Wrong credentials']
:signin a a
serv_reply : True [1, 'Command executed successfully']
:shared_key : 0825cb168c1bc1f0cc0f0703
c : hello to a (c has never talk to a so we'll first exchange key)
shared_key : 2e7b66283f993fd7d30b5e40
b : sending msg to a and c from b in one command
c : sending msg to a and b from c in one command
create x
serv_reply : True [1, 'Command executed successfully']
:[]
```

```
>_ nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
en']
:signup b b
serv_reply : True [1, 'Command executed successfully']
:signin b b
serv_reply : True [1, 'Command executed successfully']
:shared_key : 3394e0eed82c8446efce59f
c : hello to b (c has never talk to b so we'll first exchange key)
send c msg sending msg to c from b
['send', 'c', 'msg', 'sending msg to c from b']
serv_reply : True []
:send a,c msg sending msg to a and c from b in one command
['send', 'a,c', 'msg', 'sending msg to a and c from b in one command']
shared_key : 2e7b66283f993fd7d30b5e40
serv_reply : True []
:c : sending msg to a and b from c in one command
join x
serv_reply : True []
:[]
```

```
>_ nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files$ python3 peer.py 127.0.0.34:50034
uuid : 60d9cd3c-60b9-11eb-bc2f-f9f6d38e3cc7
des_key : 7ea5de8c21af17b81c5ea5a3
```

```
:[]
```

```
:signup c c
serv_reply : True [1, 'Command executed successfully']
:signin c c
serv_reply : True [1, 'Command executed successfully']
:send a msg hello to a (c has never talk to a so we'll first exchange key)
['send', 'a', 'msg', "hello to a (c has never talk to a so we'll first exchange key)"]
shared_key : 0825cb168c1bc1f0cc0f0703
serv_reply : True []
:send b msg hello to b (c has never talk to b so we'll first exchange key)
['send', 'b', 'msg', "hello to b (c has never talk to b so we'll first exchange key)"]
shared_key : 3394e0eed82c8446efce59f
serv_reply : True []
:b : sending msg to c from b
b : sending msg to a and c from b in one command
send a,b msg sending msg to a and b from c in one command
['send', 'a,b', 'msg', 'sending msg to a and b from c in one command']
serv_reply : True []
:[]
```

```
>_ nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files$ python3 peer.py 127.0.0.38:50038
uuid : bb733216-60b8-11eb-bc2f-f9f6d38e3cc7
des_key : 79c568d70588be5fa5dfcd76
```

```
:signup d d
serv_reply : True [1, 'Command executed successfully']
:signin d d
serv_reply : True [1, 'Command executed successfully']
:create x
serv_reply : True [-1, 'Non Valid command / Command executed un-successfully / Group already exists']
:[]
```

```
>_ nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files$ python3 peer.py 127.0.0.40:50040
uuid : 61f705d6-60b9-11eb-bc2f-f9f6d38e3cc7
des_key : 8dbd37803f8f6f8a44699713
```

```
:
```

Activities

Terminator ▾

Jan 27 21:35

nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files

```
>_ nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
  uuid : baac9732-60b8-11eb-bc2f-f9f6d38e3cc7
  des_key : c69d870a6398081de452a775
```

```
:signup a a
serv_reply : True [1, 'Command executed successfully']
:signin a wrongpassword
serv_reply : True [-1, 'Non Valid command / Command executed un-successfully / Wrong credentials']
:signin a a
serv_reply : True [1, 'Command executed successfully']
:shared_key : 0825cb168c1bc1f0cc0f0703
c : hello to a (c has never talk to a so we'll first exchange key)
shared_key : 2e7b66283f993fd7d30b5e40
b : sending msg to a and c from b in one command
c : sending msg to a and b from c in one command
create x
serv_reply : True [1, 'Command executed successfully']
:[]
```

```
>_ nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
en']
:signup b b
serv_reply : True [1, 'Command executed successfully']
:signin b b
serv_reply : True [1, 'Command executed successfully']
:shared_key : 3394e0eed82c8446efce59f
c : hello to b (c has never talk to b so we'll first exchange key)
send c msg sending msg to c from b
['send', 'c', 'msg', 'sending msg to c from b']
serv_reply : True []
:send a,c msg sending msg to a and c from b in one command
['send', 'a,c', 'msg', 'sending msg to a and c from b in one command']
shared_key : 2e7b66283f993fd7d30b5e40
serv_reply : True []
:c : sending msg to a and b from c in one command
join x
serv_reply : True []
:[]
```

```
>_ nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files$ python3 peer.py 127.0.0.34:50034
uuid : 60d9cd3c-60b9-11eb-bc2f-f9f6d38e3cc7
des_key : 7ea5de8c21af17b81c5ea5a3
```

```
:signup e e
serv_reply : True [1, 'Command executed successfully']
:signin e e
serv_reply : True [1, 'Command executed successfully']
:[]
```

```
:signup c c
serv_reply : True [1, 'Command executed successfully']
:signin c c
serv_reply : True [1, 'Command executed successfully']
:send a msg hello to a (c has never talk to a so we'll first exchange key)
['send', 'a', 'msg', 'hello to a (c has never talk to a so we'll first exchange key)']
shared_key : 0825cb168c1bc1f0cc0f0703
serv_reply : True []
:send b msg hello to b (c has never talk to b so we'll first exchange key)
['send', 'b', 'msg', 'hello to b (c has never talk to b so we'll first exchange key)']
shared_key : 3394e0eed82c8446efce59f
serv_reply : True []
:b : sending msg to c from b
b : sending msg to a and c from b in one command
send a,b msg sending msg to a and b from c in one command
['send', 'a,b', 'msg', 'sending msg to a and b from c in one command']
serv_reply : True []
:[]
```

```
>_ nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files$ python3 peer.py 127.0.0.38:50038
uuid : bb733216-60b8-11eb-bc2f-f9f6d38e3cc7
des_key : 79c568d70588be5fa5dfcd76

:signup d d
serv_reply : True [1, 'Command executed successfully']
:signin d d
serv_reply : True [1, 'Command executed successfully']
:create x
serv_reply : True [-1, 'Non Valid command / Command executed un-successfully / Group already exists']
:create y
serv_reply : True [1, 'Command executed successfully']
:[]
```

```
>_ nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files$ python3 peer.py 127.0.0.40:50040
uuid : 61f705d6-60b9-11eb-bc2f-f9f6d38e3cc7
des_key : 8dbd37803f8f6f8a44699713
```

```
:signup f f
serv_reply : True [1, 'Command executed successfully']
:signin f f
serv_reply : True [1, 'Command executed successfully']
:[]
```

Activities

Terminator

Jan 27 21:36

nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files

```
>_ nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
des_key : c69d870a6398081de452a775
```

```
· X :signup a a
serv_reply : True [1, 'Command executed successfully']
:signin a wrongpassword
serv_reply : True [-1, 'Non Valid command / Command executed un-successfully / Wrong credentials']
:signin a a
serv_reply : True [1, 'Command executed successfully']
:shared_key : 0825cb168c1bc1f0cc0f0703
c : hello to a (c has never talk to a so we'll first exchange key)
shared_key : 2e7b66283f993fd7d30b5e40
b : sending msg to a and c from b in one command
c : sending msg to a and b from c in one command
create x
serv_reply : True [1, 'Command executed successfully']
:shared_key : eeaac10f114c9546d5c3e520
[]
```

```
>_ nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
:nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
:signup b b
serv_reply : True [1, 'Command executed successfully']
:signin b b
serv_reply : True [1, 'Command executed successfully']
:shared_key : 3394e0eead82c8446efce59f
c : hello to b (c has never talk to b so we'll first exchange key)
send c msg sending msg to c from b
['send', 'c', 'msg', 'sending msg to c from b']
serv_reply : True []
:send a,c msg sending msg to a and c from b in one command
['send', 'a,c', 'msg', 'sending msg to a and c from b in one command']
shared_key : 2e7b66283f993fd7d30b5e40
serv_reply : True []
:c : sending msg to a and b from c in one command
join x
serv_reply : True []
:shared_key : 8a97db5a2ac853ae1d9510aa
[]
```

```
>_ nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
python3 peer.py 127.0.0.34:50034
uuid : 60d9cd3c-60b9-11eb-bc2f-f9f6d38e3cc7
des_key : 7ea5de8c21af17b81c5ea5a3
```

```
:signup e e
serv_reply : True [1, 'Command executed successfully']
:signin e e
serv_reply : True [1, 'Command executed successfully']
[]
```

```
>_ nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
serv_reply : True [1, 'Command executed successfully']
:send a msg hello to a (c has never talk to a so we'll first exchange key)
['send', 'a', 'msg', "hello to a (c has never talk to a so we'll first exchange key)"]
shared_key : 0825cb168c1bc1f0cc0f0703
serv_reply : True []
:send b msg hello to b (c has never talk to b so we'll first exchange key)
['send', 'b', 'msg', "hello to b (c has never talk to b so we'll first exchange key)"]
shared_key : 3394e0eead82c8446efce59f
serv_reply : True []
:b : sending msg to c from b
b : sending msg to a and c from b in one command
send a,b msg sending msg to a and b from c in one command
['send', 'a,b', 'msg', 'sending msg to a and b from c in one command']
serv_reply : True []
:join x
shared_key : 42abe7aa993e810421d42a99
serv_reply : True []
:[]
```

```
>_ nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
python3 peer.py 127.0.0.38:50038
uuid : bb733216-60b8-11eb-bc2f-f9f6d38e3cc7
des_key : 79c568d70588be5fa5dfcd76

:signup d d
serv_reply : True [1, 'Command executed successfully']
:signin d d
serv_reply : True [1, 'Command executed successfully']
:create x
serv_reply : True [-1, 'Non Valid command / Command executed un-successfully / Group already exists']
]
:create y
serv_reply : True [1, 'Command executed successfully']
:[]
```

```
>_ nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
python3 peer.py 127.0.0.40:50040
uuid : 61f705d6-60b9-11eb-bc2f-f9f6d38e3cc7
des_key : 8dbd37803f8f6f8a44699713
```

```
:signup f f
serv_reply : True [1, 'Command executed successfully']
:signin f f
serv_reply : True [1, 'Command executed successfully']
:join x
shared_key : eeaac10f114c9546d5c3e520
shared_key : 8a97db5a2ac853ae1d9510aa
serv_reply : True []
:shared_key : 42abe7aa993e810421d42a99
[]
```

nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files

```
>_ nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
des_key : c69d870a6398081de452a775

:signup a a
serv_reply : True [1, 'Command executed successfully']
:signin a wrongpassword
serv_reply : True [-1, 'Non Valid command / Command executed un-successfully / Wrong credentials']
:signin a a
serv_reply : True [1, 'Command executed successfully']
:shared_key : 0825cb168c1bc1f0cc0f0703
c : hello to a (c has never talk to a so we'll first exchange key)
shared_key : 2e7b66283f993fd7d30b5e40
b : sending msg to a and c from b in one command
c : sending msg to a and b from c in one command
create x
serv_reply : True [1, 'Command executed successfully']
:shared_key : eeaac10f114c9546d5c3e520
[]
```

```
>_ nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
:signup b b
serv_reply : True [1, 'Command executed successfully']
:signin b b
serv_reply : True [1, 'Command executed successfully']
:shared_key : 3394e0eead82c8446efce59f
c : hello to b (c has never talk to b so we'll first exchange key)
send c msg sending msg to c from b
['send', 'c', 'msg', 'sending msg to c from b']
serv_reply : True []
:send a,c msg sending msg to a and c from b in one command
['send', 'a,c', 'msg', 'sending msg to a and c from b in one command']
shared_key : 2e7b66283f993fd7d30b5e40
serv_reply : True []
:c : sending msg to a and b from c in one command
join x
serv_reply : True []
:shared_key : 8a97db5a2ac853ae1d9510aa
[]
```

```
>_ nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files$ python3 peer.py 127.0.0.34:50034
uuid : 60d9cd3c-60b9-11eb-bc2f-f9f6d38e3cc7
des_key : 7ea5de8c21af17b81c5ea5a3

:signup e e
serv_reply : True [1, 'Command executed successfully']
:signin e e
serv_reply : True [1, 'Command executed successfully']
:join y
shared_key : ebb3a84cfb8bf180cdd5b28c
shared_key : 7bbd6bef3bfefb4f28018bb3
serv_reply : True []
[]
```

```
>_ nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
serv_reply : True [1, 'Command executed successfully']
:send a msg hello to a (c has never talk to a so we'll first exchange key)
['send', 'a', 'msg', "hello to a (c has never talk to a so we'll first exchange key)"]
shared_key : 0825cb168c1bc1f0cc0f0703
serv_reply : True []
:send b msg hello to b (c has never talk to b so we'll first exchange key)
['send', 'b', 'msg', "hello to b (c has never talk to b so we'll first exchange key)"]
shared_key : 3394e0eead82c8446efce59f
serv_reply : True []
:b : sending msg to c from b
b : sending msg to a and c from b in one command
send a,b msg sending msg to a and b from c in one command
['send', 'a,b', 'msg', 'sending msg to a and b from c in one command']
serv_reply : True []
:join x
shared_key : 42abe7aa993e810421d42a99
serv_reply : True []
[]
```

```
>_ nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files$ python3 peer.py 127.0.0.38:50038
uuid : bb733216-60b8-11eb-bc2f-f9f6d38e3cc7
des_key : 79c568d70588be5fa5dfcd76

:signup d d
serv_reply : True [1, 'Command executed successfully']
:signin d d
serv_reply : True [1, 'Command executed successfully']
:create x
serv_reply : True [-1, 'Non Valid command / Command executed un-successfully / Group already exists']
[]
:create y
serv_reply : True [1, 'Command executed successfully']
:shared_key : 7f8e62c5c8af21afde05ffb4
shared_key : ebb3a84cfb8bf180cdd5b28c
[]
```

```
>_ nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
:signup f f
serv_reply : True [1, 'Command executed successfully']
:signin f f
serv_reply : True [1, 'Command executed successfully']
:join x
shared_key : eeaac10f114c9546d5c3e520
shared_key : 8a97db5a2ac853ae1d9510aa
serv_reply : True []
:shared_key : 42abe7aa993e810421d42a99
join y
shared_key : 7f8e62c5c8af21afde05ffb4
serv_reply : True []
:shared_key : 7bbd6bef3bfefb4f28018bb3
[]
```

Activities

Terminator

Jan 27 21:39

nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files

-

x

```
>_ nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1 nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1  
:signup a a  
serv_reply : True [1, 'Command executed successfully']  
:signin a wrongpassword  
serv_reply : True [-1, 'Non Valid command / Command executed un-successfully / Wrong credentials']  
:signin a a  
serv_reply : True [1, 'Command executed successfully']  
:shared_key : 0825cb168c1bc1f0cc0f0703  
c : hello to a (c has never talk to a so we'll first exchange key)  
shared_key : 2e7b66283f993fd7d30b5e40  
b : sending msg to a and c from b in one command  
c : sending msg to a and b from c in one command  
create x  
serv_reply : True [1, 'Command executed successfully']  
:shared_key : eeaac10f114c9546d5c3e520  
['x', 'f'] : sending msg in group x from f
```

```
:send a msg hello to a (c has never talk to a so we'll first exchange key)  
['send', 'a', 'msg', "hello to a (c has never talk to a so we'll first exchange key)"]  
shared_key : 0825cb168c1bc1f0cc0f0703  
serv_reply : True []  
:send b msg hello to b (c has never talk to b so we'll first exchange key)  
['send', 'b', 'msg', "hello to b (c has never talk to b so we'll first exchange key)"]  
shared_key : 3394e0eead82c8446efce59f  
serv_reply : True []  
:b : sending msg to c from b  
b : sending msg to a and c from b in one command  
send a,b msg sending msg to a and b from c in one command  
['send', 'a,b', 'msg', 'sending msg to a and b from c in one command']  
serv_reply : True []  
:join x  
shared_key : 42abe7aa993e810421d42a99  
serv_reply : True []  
:['x', 'f'] : sending msg in group x from f
```

```
>_ nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1 nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1  
serv_reply : True [1, 'Command executed successfully']  
:signin b b  
serv_reply : True [1, 'Command executed successfully']  
:shared_key : 3394e0eead82c8446efce59f  
c : hello to b (c has never talk to b so we'll first exchange key)  
send c msg sending msg to c from b  
['send', 'c', 'msg', 'sending msg to c from b']  
serv_reply : True []  
:send a,c msg sending msg to a and c from b in one command  
['send', 'a,c', 'msg', 'sending msg to a and c from b in one command']  
shared_key : 2e7b66283f993fd7d30b5e40  
serv_reply : True []  
:c : sending msg to a and b from c in one command  
join x  
serv_reply : True []  
:shared_key : 8a97db5a2ac853ae1d9510aa  
['x', 'f'] : sending msg in group x from f
```

```
>_ nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1 nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1  
nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files$ python3 peer.py 127.0.0.34:50034  
uuid : 60d9cd3c-60b9-11eb-bc2f-f9f6d38e3cc7  
des_key : 7ea5de8c21af17b81c5ea5a3  
  
:signup e e  
serv_reply : True [1, 'Command executed successfully']  
:signin e e  
serv_reply : True [1, 'Command executed successfully']  
:join y  
shared_key : ebb3a84cfb8bf180cdd5b28c  
shared_key : 7bbd6bef3bfefb4f28018bb3  
serv_reply : True []  
[]
```

```
nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files$ python3 peer.py 127.0.0.34:50038  
uuid : bb733216-60b8-11eb-bc2f-f9f6d38e3cc7  
des_key : 79c568d70588be5fa5dfcd76  
  
:signup d d  
serv_reply : True [1, 'Command executed successfully']  
:signin d d  
serv_reply : True [1, 'Command executed successfully']  
:create x  
serv_reply : True [-1, 'Non Valid command / Command executed un-successfully / Group already exists']  
[]  
:create y  
serv_reply : True [1, 'Command executed successfully']  
:shared_key : 7f8e62c5c8af21afde05ffb4  
shared_key : ebb3a84cfb8bf180cdd5b28c
```

```
>_ nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1 nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1  
serv_reply : True [1, 'Command executed successfully']  
:signin f f  
serv_reply : True [1, 'Command executed successfully']  
:join x  
shared_key : eeaac10f114c9546d5c3e520  
shared_key : 8a97db5a2ac853ae1d9510aa  
serv_reply : True []  
:shared_key : 42abe7aa993e810421d42a99  
join y  
shared_key : 7f8e62c5c8af21afde05ffb4  
serv_reply : True []  
:shared_key : 7bbd6bef3bfefb4f28018bb3  
send x msg sending msg in group x from f  
['send', 'x', 'msg', 'sending msg in group x from f']  
serv_reply : True []  
[]
```

Activities

Terminator

Jan 27 21:39

nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files

```
>_ nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
:signup a a
serv_reply : True [1, 'Command executed successfully']
:signin a wrongpassword
serv_reply : True [-1, 'Non Valid command / Command executed un-successfully / Wrong credentials']
:signin a a
serv_reply : True [1, 'Command executed successfully']
:shared_key : 0825cb168c1bc1f0cc0f0703
c : hello to a (c has never talk to a so we'll first exchange key)
shared_key : 2e7b66283f993fd7d30b5e40
b : sending msg to a and c from b in one command
c : sending msg to a and b from c in one command
create x
serv_reply : True [1, 'Command executed successfully']
:shared_key : eeaac10f114c9546d5c3e520
['x', 'f'] : sending msg in group x from f
['x', 'f'] : sending msg in group x and y from f in one command
[]
```

```
>_ nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
:signin b b
serv_reply : True [1, 'Command executed successfully']
:shared_key : 3394e0eead82c8446efce59f
c : hello to b (c has never talk to b so we'll first exchange key)
send c msg sending msg to c from b
['send', 'c', 'msg', 'sending msg to c from b']
serv_reply : True []
:send a,c msg sending msg to a and c from b in one command
['send', 'a,c', 'msg', 'sending msg to a and c from b in one command']
shared_key : 2e7b66283f993fd7d30b5e40
serv_reply : True []
:c : sending msg to a and b from c in one command
join x
serv_reply : True []
:shared_key : 8a97db5a2ac853ae1d9510aa
['x', 'f'] : sending msg in group x from f
['x', 'f'] : sending msg in group x and y from f in one command
[]
```

```
>_ nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files$ python3 peer.py 127.0.0.34:50034
uuid : 60d9cd3c-60b9-11eb-bc2f-f9f6d38e3cc7
des_key : 7ea5de8c21af17b81c5ea5a3

:signup e e
serv_reply : True [1, 'Command executed successfully']
:signin e e
serv_reply : True [1, 'Command executed successfully']
:join y
shared_key : ebb3a84cfb8bf180cdd5b28c
shared_key : 7bbd6bef3bfefb4f28018bb3
serv_reply : True []
:['y', 'f'] : sending msg in group x and y from f in one command
```

```
>_ nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
['send', 'a', 'msg', "hello to a (c has never talk to a so we'll first exchange key)"]
shared_key : 0825cb168c1bc1f0cc0f0703
serv_reply : True []
:send b msg hello to b (c has never talk to b so we'll first exchange key)
['send', 'b', 'msg', "hello to b (c has never talk to b so we'll first exchange key)"]
shared_key : 3394e0eead82c8446efce59f
serv_reply : True []
:b : sending msg to c from b
b : sending msg to a and c from b in one command
send a,b msg sending msg to a and b from c in one command
['send', 'a,b', 'msg', 'sending msg to a and b from c in one command']
serv_reply : True []
:join x
shared_key : 42abe7aa993e810421d42a99
serv_reply : True []
:[x, 'f'] : sending msg in group x from f
['x', 'f'] : sending msg in group x and y from f in one command
[]
```

```
>_ nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
_nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files$ python3 peer.py 127.0.0.38:50038
uuid : bb733216-60b8-11eb-bc2f-f9f6d38e3cc7
des_key : 79c568d70588be5fa5dfcd76

:signup d d
serv_reply : True [1, 'Command executed successfully']
:signin d d
serv_reply : True [1, 'Command executed successfully']
:create x
serv_reply : True [-1, 'Non Valid command / Command executed un-successfully / Group already exists']
]
:create y
serv_reply : True [1, 'Command executed successfully']
:shared_key : 7f8e62c5c8af21afde05ffb4
shared_key : ebb3a84cfb8bf180cdd5b28c
['y', 'f'] : sending msg in group x and y from f in one command
[]
```

```
>_ nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files$ python3 peer.py 127.0.0.34:50034
uuid : 60d9cd3c-60b9-11eb-bc2f-f9f6d38e3cc7
des_key : 7ea5de8c21af17b81c5ea5a3

:join x
shared_key : eeaac10f114c9546d5c3e520
shared_key : 8a97db5a2ac853ae1d9510aa
serv_reply : True []
:shared_key : 42abe7aa993e810421d42a99
join y
shared_key : 7f8e62c5c8af21afde05ffb4
serv_reply : True []
:shared_key : 7bbd6bef3bfefb4f28018bb3
send x msg sending msg in group x from f
['send', 'x', 'msg', 'sending msg in group x from f']
serv_reply : True []
:send x,y msg sending msg in group x and y from f in one command
['send', 'x,y', 'msg', 'sending msg in group x and y from f in one command']
serv_reply : True []
[]
```

Activities

Terminator ▾

Jan 27 21:40

nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files

-

x

```
>_ nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1 nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
:signup a a
serv_reply : True [1, 'Command executed successfully']
:signin a wrongpassword
serv_reply : True [-1, 'Non Valid command / Command executed un-successfully / Wrong credentials']
:signin a a
serv_reply : True [1, 'Command executed successfully']
:shared_key : 0825cb168c1bc1f0cc0f0703
c : hello to a (c has never talk to a so we'll first exchange key)
shared_key : 2e7b66283f993fd7d30b5e40
b : sending msg to a and c from b in one command
c : sending msg to a and b from c in one command
create x
serv_reply : True [1, 'Command executed successfully']
:shared_key : eeaac10f114c9546d5c3e520
['x', 'f'] : sending msg in group x from f
['x', 'f'] : sending msg in group x and y from f in one command
[]
```

```
nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1 nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
send c msg sending msg to c from b
['send', 'c', 'msg', 'sending msg to c from b']
serv_reply : True []
:send a,c msg sending msg to a and c from b in one command
['send', 'a,c', 'msg', 'sending msg to a and c from b in one command']
shared_key : 2e7b66283f993fd7d30b5e40
serv_reply : True []
:c : sending msg to a and b from c in one command
join x
serv_reply : True []
:shared_key : 8a97db5a2ac853ae1d9510aa
['x', 'f'] : sending msg in group x from f
['x', 'f'] : sending msg in group x and y from f in one command
join y
shared_key : b6b99b48e3db1387f8506c32
shared_key : a6fd9d388ec5691e7836aa50
serv_reply : True []
:
```

```
nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1 nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
3_assign_1/py files$ python3 peer.py 127.0.0.34:50034
uuid : 60d9cd3c-60b9-11eb-bc2f-f9f6d38e3cc7
des_key : 7ea5de8c21af17b81c5ea5a3

:signup e e
serv_reply : True [1, 'Command executed successfully']
:signin e e
serv_reply : True [1, 'Command executed successfully']
:join y
shared_key : ebb3a84cfb8bf180cdd5b28c
shared_key : 7bbd6bef3bfefb4f28018bb3
serv_reply : True []
:[y', 'f'] : sending msg in group x and y from f in one command
shared_key : a6fd9d388ec5691e7836aa50
```

```
['send', 'a', 'msg', 'hello to a (c has never talk to a so we'll first exchange key)']
shared_key : 0825cb168c1bc1f0cc0f0703
serv_reply : True []
:send b msg hello to b (c has never talk to b so we'll first exchange key)
['send', 'b', 'msg', 'hello to b (c has never talk to b so we'll first exchange key)']
shared_key : 3394e0eead82c8446efce59f
serv_reply : True []
:b : sending msg to c from b
b : sending msg to a and c from b in one command
send a,b msg sending msg to a and b from c in one command
['send', 'a,b', 'msg', 'sending msg to a and b from c in one command']
serv_reply : True []
:join x
shared_key : 42abe7aa993e810421d42a99
serv_reply : True []
:[x', 'f'] : sending msg in group x from f
['x', 'f'] : sending msg in group x and y from f in one command
[]
```

```
nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1 nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
uuid : bb733216-60b8-11eb-bc2f-f9f6d38e3cc7
des_key : 79c568d70588be5fa5dfcd76

:signup d d
serv_reply : True [1, 'Command executed successfully']
:signin d d
serv_reply : True [1, 'Command executed successfully']
:create x
serv_reply : True [-1, 'Non Valid command / Command executed un-successfully / Group already exists']
]
:create y
serv_reply : True [1, 'Command executed successfully']
:shared_key : 7f8e62c5c8af21afde05ffb4
shared_key : ebb3a84cfb8bf180cdd5b28c
['y', 'f'] : sending msg in group x and y from f in one command
shared_key : b6b99b48e3db1387f8506c32
[]
```

```
nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1 nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
:join x
shared_key : eeaac10f114c9546d5c3e520
shared_key : 8a97db5a2ac853ae1d9510aa
serv_reply : True []
:shared_key : 42abe7aa993e810421d42a99
join y
shared_key : 7f8e62c5c8af21afde05ffb4
serv_reply : True []
:shared_key : 7bbd6bef3bfefb4f28018bb3
send x msg sending msg in group x from f
['send', 'x', 'msg', 'sending msg in group x from f']
serv_reply : True []
:send x,y msg sending msg in group x and y from f in one command
['send', 'x,y', 'msg', 'sending msg in group x and y from f in one command']
serv_reply : True []
[]
```

nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files

```
>_ nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
:signup a a
serv_reply : True [1, 'Command executed successfully']
:signin a wrongpassword
serv_reply : True [-1, 'Non Valid command / Command executed un-successfully / Wrong credentials']
:signin a a
serv_reply : True [1, 'Command executed successfully']
:shared_key : 0825cb168c1bc1f0cc0f0703
c : hello to a (c has never talk to a so we'll first exchange key)
shared_key : 2e7b66283f993fd7d30b5e40
b : sending msg to a and c from b in one command
c : sending msg to a and b from c in one command
create x
serv_reply : True [1, 'Command executed successfully']
:shared_key : eeaac10f114c9546d5c3e520
['x', 'f'] : sending msg in group x from f
['x', 'f'] : sending msg in group x and y from f in one command
['x', 'f'] : sending msg in group x and y from f in one command
[]
```

```
>_ nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
serv_reply : True []
:send a,c msg sending msg to a and c from b in one command
['send', 'a,c', 'msg', 'sending msg to a and c from b in one command']
shared_key : 2e7b66283f993fd7d30b5e40
```

```
serv_reply : True []
:c : sending msg to a and b from c in one command
join x
serv_reply : True []
:shared_key : 8a97db5a2ac853ae1d9510aa
['x', 'f'] : sending msg in group x from f
['x', 'f'] : sending msg in group x and y from f in one command
join y
shared_key : b6b99b48e3db1387f8506c32
shared_key : a6fd9d388ec5691e7836aa50
serv_reply : True []
:[x, 'f'] : sending msg in group x and y from f in one command
[y, 'f'] : sending msg in group x and y from f in one command
[]
```

```
>_ nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
uuid : 60d9cd3c-60b9-11eb-bc2f-f9f6d38e3cc7
des_key : 7ea5de8c21af17b81c5ea5a3

:signup e e
serv_reply : True [1, 'Command executed successfully']
:signin e e
serv_reply : True [1, 'Command executed successfully']
:join y
shared_key : ebb3a84cfb8bf180cdd5b28c
shared_key : 7bbd6bef3bfefb4f28018bb3
serv_reply : True []
:[y, 'f'] : sending msg in group x and y from f in one command
shared_key : a6fd9d388ec5691e7836aa50
[y, 'f'] : sending msg in group x and y from f in one command
[]
```

```
>_ nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
shared_key : 0825cb168c1bc1f0cc0f0703
serv_reply : True []
:send b msg hello to b (c has never talk to b so we'll first exchange key)
['send', 'b', 'msg', 'hello to b (c has never talk to b so we'll first exchange key)']
shared_key : 3394e0eead82c8446efce59f
serv_reply : True []
:b : sending msg to c from b
b : sending msg to a and c from b in one command
send a,b msg sending msg to a and b from c in one command
['send', 'a,b', 'msg', 'sending msg to a and b from c in one command']
serv_reply : True []
:join x
shared_key : 42abe7aa993e810421d42a99
serv_reply : True []
:[x, 'f'] : sending msg in group x from f
['x', 'f'] : sending msg in group x and y from f in one command
['x', 'f'] : sending msg in group x and y from f in one command
[]
```

```
>_ nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
des_key : 79c568d70588be5fa5dfcd76

:signup d d
serv_reply : True [1, 'Command executed successfully']
:signin d d
serv_reply : True [1, 'Command executed successfully']
:create x
serv_reply : True [-1, 'Non Valid command / Command executed un-successfully / Group already exists']
]
:create y
serv_reply : True [1, 'Command executed successfully']
:shared_key : 7f8e62c5c8af21afde05ffb4
shared_key : ebb3a84cfb8bf180cdd5b28c
[y, 'f'] : sending msg in group x and y from f in one command
shared_key : b6b99b48e3db1387f8506c32
[y, 'f'] : sending msg in group x and y from f in one command
[]
```

```
>_ nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
join y
shared_key : 7f8e62c5c8af21afde05ffb4
serv_reply : True []
:shared_key : 7bbd6bef3bfefb4f28018bb3
send x msg sending msg in group x from f
['send', 'x', 'msg', 'sending msg in group x from f']
serv_reply : True []
:send x,y msg sending msg in group x and y from f in one command
['send', 'x,y', 'msg', 'sending msg in group x and y from f in one command']
serv_reply : True []
:
send x,y msg sending msg in group x and y from f in one command
serv_reply : True []
:
['send', 'x,y', 'msg', 'sending msg in group x and y from f in one command']
serv_reply : True []
[]
```

Activities

Terminator ▾

Jan 27 21:41

nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files

```
>_ nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
:signup a a
serv_reply : True [1, 'Command executed successfully']
:signin a wrongpassword
serv_reply : True [-1, 'Non Valid command / Command executed un-successfully / Wrong credentials']
:signin a a
serv_reply : True [1, 'Command executed successfully']
:shared_key : 0825cb168c1bc1f0cc0f0703
c : hello to a (c has never talk to a so we'll first exchange key)
shared_key : 2e7b66283f993fd7d30b5e40
b : sending msg to a and c from b in one command
c : sending msg to a and b from c in one command
create x
serv_reply : True [1, 'Command executed successfully']
:shared_key : eeaac10f114c9546d5c3e520
['x', 'f'] : sending msg in group x from f
['x', 'f'] : sending msg in group x and y from f in one command
['x', 'f'] : sending msg in group x and y from f in one command
[]
```

```
>_ nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
:send a,c msg sending msg to a and c from b in one command
['send', 'a,c', 'msg', 'sending msg to a and c from b in one command']
shared_key : 2e7b66283f993fd7d30b5e40
serv_reply : True []
:c : sending msg to a and b from c in one command
join x
serv_reply : True []
:shared_key : 8a97db5a2ac853ae1d9510aa
['x', 'f'] : sending msg in group x from f
['x', 'f'] : sending msg in group x and y from f in one command
join y
shared_key : b6b99b48e3db1387f8506c32
shared_key : a6fd9d388ec5691e7836aa50
serv_reply : True []
:['x', 'f'] : sending msg in group x and y from f in one command
['y', 'f'] : sending msg in group x and y from f in one command
['y', 'e'] : sending msg in group y from e
[]
```

```
>_ nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
:signup e e
serv_reply : True [1, 'Command executed successfully']
:signin e e
serv_reply : True [1, 'Command executed successfully']
:join y
shared_key : ebb3a84cf8bf180cdd5b28c
shared_key : 7bbd6bef3bfefb4f28018bb3
serv_reply : True []
:['y', 'f'] : sending msg in group x and y from f in one command
shared_key : a6fd9d388ec5691e7836aa50
['y', 'f'] : sending msg in group x and y from f in one command
send y msg sending msg in group y from e
['send', 'y', 'msg', 'sending msg in group y from e']
serv_reply : True []
[]
```

```
>_ nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
:shared_key : 0825cb168c1bc1f0cc0f0703
serv_reply : True []
:send b msg hello to b (c has never talk to b so we'll first exchange key)
['send', 'b', 'msg', 'hello to b (c has never talk to b so we'll first exchange key)']
shared_key : 3394e0eead82c8446efce59f
serv_reply : True []
:b : sending msg to c from b
b : sending msg to a and c from b in one command
send a,b msg sending msg to a and b from c in one command
['send', 'a,b', 'msg', 'sending msg to a and b from c in one command']
serv_reply : True []
:join x
shared_key : 42abe7aa993e810421d42a99
serv_reply : True []
:[x, 'f'] : sending msg in group x from f
['x', 'f'] : sending msg in group x and y from f in one command
['x', 'f'] : sending msg in group x and y from f in one command
[]
```

```
>_ nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
:signup d d
serv_reply : True [1, 'Command executed successfully']
:signin d d
serv_reply : True [1, 'Command executed successfully']
:create x
serv_reply : True [-1, 'Non Valid command / Command executed un-successfully / Group already exists']
:create y
serv_reply : True [1, 'Command executed successfully']
:shared_key : 7f8e62c5c8af21afde05ffb4
shared_key : ebb3a84cf8bf180cdd5b28c
['y', 'f'] : sending msg in group x and y from f in one command
shared_key : b6b99b48e3db1387f8506c32
['y', 'f'] : sending msg in group x and y from f in one command
['y', 'e'] : sending msg in group y from e
[]
```

```
>_ nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
:shared_key : 7f8e62c5c8af21afde05ffb4
serv_reply : True []
:shared_key : 7bbd6bef3bfefb4f28018bb3
send x msg sending msg in group x from f
['send', 'x', 'msg', 'sending msg in group x from f']
serv_reply : True []
:send x,y msg sending msg in group x and y from f in one command
['send', 'x,y', 'msg', 'sending msg in group x and y from f in one command']
serv_reply : True []
:
send x,y msg sending msg in group x and y from f in one command
serv_reply : True []
:
['send', 'x,y', 'msg', 'sending msg in group x and y from f in one command']
serv_reply : True []
:[y, 'e'] : sending msg in group y from e
[]
```

nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files

```
>_ nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
:signin a wrongpassword
serv_reply : True [-1, 'Non Valid command / Command executed un-successfully / Wrong credentials']
:signin a a
serv_reply : True [1, 'Command executed successfully']
:shared_key : 0825cb168c1bc1f0cc0f0703
c : hello to a (c has never talk to a so we'll first exchange key)
shared_key : 2e7b66283f993fd7d30b5e40
b : sending msg to a and c from b in one command
c : sending msg to a and b from c in one command
create x
serv_reply : True [1, 'Command executed successfully']
:shared_key : eeaac10f114c9546d5c3e520
['x', 'f'] : sending msg in group x from f
['x', 'f'] : sending msg in group x and y from f in one command
['x', 'f'] : sending msg in group x and y from f in one command
shared_key : c689cde862bdc7277d9ece1d
e : sending msg in group y and user a from e in one command
[]
```

```
nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
['send', 'a,c', 'msg', 'sending msg to a and c from b in one command']
shared_key : 2e7b66283f993fd7d30b5e40
serv_reply : True []
:c : sending msg to a and b from c in one command
join x
serv_reply : True []
:shared_key : 8a97db5a2ac853ae1d9510aa
['x', 'f'] : sending msg in group x from f
['x', 'f'] : sending msg in group x and y from f in one command
join y
shared_key : b6b99b48e3db1387f8506c32
shared_key : a6fd9d388ec5691e7836aa50
serv_reply : True []
:['x', 'f'] : sending msg in group x and y from f in one command
['y', 'f'] : sending msg in group x and y from f in one command
['y', 'e'] : sending msg in group y from e
['y', 'e'] : sending msg in group y and user a from e in one command
[]
```

```
nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
serv_reply : True [1, 'Command executed successfully']
:join y
shared_key : ebb3a84cf8bf180cdd5b28c
shared_key : 7bbd6bef3bfefb4f28018bb3
serv_reply : True []
:['y', 'f'] : sending msg in group x and y from f in one command
shared_key : a6fd9d388ec5691e7836aa50
['y', 'f'] : sending msg in group x and y from f in one command
send y msg sending msg in group y from e
['send', 'y', 'msg', 'sending msg in group y from e']
serv_reply : True []
:send y,a msg sending msg in group y and user a from e in one command
['send', 'y,a', 'msg', 'sending msg in group y and user a from e in one command']
shared_key : c689cde862bdc7277d9ece1d
serv_reply : True []
[]
```

```
nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
shared_key : 0825cb168c1bc1f0cc0f0703
serv_reply : True []
:send b msg hello to b (c has never talk to b so we'll first exchange key)
['send', 'b', 'msg', 'hello to b (c has never talk to b so we'll first exchange key)']
shared_key : 3394e0eead82c8446efce59f
serv_reply : True []
:b : sending msg to c from b
b : sending msg to a and c from b in one command
send a,b msg sending msg to a and b from c in one command
['send', 'a,b', 'msg', 'sending msg to a and b from c in one command']
serv_reply : True []
:join x
shared_key : 42abe7aa993e810421d42a99
serv_reply : True []
:[x, 'f'] : sending msg in group x from f
['x', 'f'] : sending msg in group x and y from f in one command
['x', 'f'] : sending msg in group x and y from f in one command
[]
```

```
nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
:signup d d
serv_reply : True [1, 'Command executed successfully']
:signin d d
serv_reply : True [1, 'Command executed successfully']
:create x
serv_reply : True [-1, 'Non Valid command / Command executed un-successfully / Group already exists']
]
:create y
serv_reply : True [1, 'Command executed successfully']
:shared_key : 7f8e62c5c8af21afde05ffb4
shared_key : ebb3a84cf8bf180cdd5b28c
['y', 'f'] : sending msg in group x and y from f in one command
shared_key : b6b99b48e3db1387f8506c32
['y', 'f'] : sending msg in group x and y from f in one command
['y', 'e'] : sending msg in group y from e
['y', 'e'] : sending msg in group y and user a from e in one command
[]
```

```
nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
serv_reply : True []
:shared_key : 7bbd6bef3bfefb4f28018bb3
send x msg sending msg in group x from f
['send', 'x', 'msg', 'sending msg in group x from f']
serv_reply : True []
:send x,y msg sending msg in group x and y from f in one command
['send', 'x,y', 'msg', 'sending msg in group x and y from f in one command']
serv_reply : True []
:
send x,y msg sending msg in group x and y from f in one command
serv_reply : True []
:
['send', 'x,y', 'msg', 'sending msg in group x and y from f in one command']
serv_reply : True []
:[y, 'e'] : sending msg in group y from e
['y', 'e'] : sending msg in group y and user a from e in one command
[]
```

nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files

```
>_ nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
:signin a wrongpassword
serv_reply : True [-1, 'Non Valid command / Command executed un-successfully / Wrong credentials']
:signin a a
serv_reply : True [1, 'Command executed successfully']
:shared_key : 0825cb168c1bc1f0cc0f0703
c : hello to a (c has never talk to a so we'll first exchange key)
shared_key : 2e7b66283f993fd7d30b5e40
b : sending msg to a and c from b in one command
c : sending msg to a and b from c in one command
create x
serv_reply : True [1, 'Command executed successfully']
:shared_key : eeaac10f114c9546d5c3e520
['x', 'f'] : sending msg in group x from f
['x', 'f'] : sending msg in group x and y from f in one command
['x', 'f'] : sending msg in group x and y from f in one command
shared_key : c689cde862bdc7277d9ece1d
e : sending msg in group y and user a from e in one command
send x file /home/nisarg/Downloads/3.mp3
```

```
nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
['send', 'a,c', 'msg', 'sending msg to a and c from b in one command']
```

```
shared_key : 2e7b66283f993fd7d30b5e40
serv_reply : True []
:c : sending msg to a and b from c in one command
join x
serv_reply : True []
:shared_key : 8a97db5a2ac853ae1d9510aa
['x', 'f'] : sending msg in group x from f
['x', 'f'] : sending msg in group x and y from f in one command
join y
shared_key : b6b99b48e3db1387f8506c32
shared_key : a6fd9d388ec5691e7836aa50
serv_reply : True []
:[x', 'f'] : sending msg in group x and y from f in one command
[y', 'f'] : sending msg in group x and y from f in one command
[y', 'e'] : sending msg in group y from e
[y', 'e'] : sending msg in group y and user a from e
```

```
nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
serv_reply : True [1, 'Command executed successfully']
:join y
shared_key : ebb3a84cf8bf180cdd5b28c
shared_key : 7bbd6bef3bfefb4f28018bb3
serv_reply : True []
:[y', 'f'] : sending msg in group x and y from f in one command
shared_key : a6fd9d388ec5691e7836aa50
[y', 'f'] : sending msg in group x and y from f in one command
send y msg sending msg in group y from e
['send', 'y', 'msg', 'sending msg in group y from e']
serv_reply : True []
:send y,a msg sending msg in group y and user a from e in one command
['send', 'y,a', 'msg', 'sending msg in group y and user a from e in one command']
shared_key : c689cde862bdc7277d9ece1d
serv_reply : True []
```

```
nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
shared_key : 0825cb168c1bc1f0cc0f0703
serv_reply : True []
:send b msg hello to b (c has never talk to b so we'll first exchange key)
['send', 'b', 'msg', 'hello to b (c has never talk to b so we'll first exchange key)']
shared_key : 3394e0eead82c8446efce59f
serv_reply : True []
:b : sending msg to c from b
b : sending msg to a and c from b in one command
send a,b msg sending msg to a and b from c in one command
['send', 'a,b', 'msg', 'sending msg to a and b from c in one command']
serv_reply : True []
:join x
shared_key : 42abe7aa993e810421d42a99
serv_reply : True []
:[x', 'f'] : sending msg in group x from f
[x', 'f'] : sending msg in group x and y from f in one command
[x', 'f'] : sending msg in group x and y from f in one command
[]
```

```
nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
:signup d d
serv_reply : True [1, 'Command executed successfully']
:signin d d
serv_reply : True [1, 'Command executed successfully']
:create x
serv_reply : True [-1, 'Non Valid command / Command executed un-successfully / Group already exists']
]
:create y
serv_reply : True [1, 'Command executed successfully']
:shared_key : 7f8e62c5c8af21afde05ffb4
shared_key : ebb3a84cf8bf180cdd5b28c
[y', 'f'] : sending msg in group x and y from f in one command
shared_key : b6b99b48e3db1387f8506c32
[y', 'f'] : sending msg in group x and y from f in one command
[y', 'e'] : sending msg in group y from e
[y', 'e'] : sending msg in group y and user a from e
```

```
nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
serv_reply : True []
:shared_key : 7bbd6bef3bfefb4f28018bb3
send x msg sending msg in group x from f
['send', 'x', 'msg', 'sending msg in group x from f']
serv_reply : True []
:send x,y msg sending msg in group x and y from f in one command
['send', 'x,y', 'msg', 'sending msg in group x and y from f in one command']
serv_reply : True []
:
send x,y msg sending msg in group x and y from f in one command
serv_reply : True []
:
['send', 'x,y', 'msg', 'sending msg in group x and y from f in one command']
serv_reply : True []
:[y', 'e'] : sending msg in group y from e
[y', 'e'] : sending msg in group y and user a from e
```

Activities

Terminator

Jan 27 21:49

nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files

```
>_ nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
serv_reply : True [1, 'Command executed successfully']
:shared_key : 0825cb168c1bc1f0cc0f0703
c : hello to a (c has never talk to a so we'll first exchange key)
shared_key : 2e7b66283f993fd7d30b5e40
b : sending msg to a and c from b in one command
c : sending msg to a and b from c in one command
create x
serv_reply : True [1, 'Command executed successfully']
:shared_key : eeaac10f114c9546d5c3e520
['x', 'f'] : sending msg in group x from f
['x', 'f'] : sending msg in group x and y from f in one command
['x', 'f'] : sending msg in group x and y from f in one command
shared_key : c689cde862bdc7277d9ece1d
e : sending msg in group y and user a from e in one command
send x file /home/nisarg/Downloads/3.mp3
['send', 'x', 'file', '/home/nisarg/Downloads/3.mp3']
serv_reply : True []
:
```

```
nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
shared_key : 2e7b66283f993fd7d30b5e40
serv_reply : True []
:c : sending msg to a and b from c in one command
join x
serv_reply : True []
:shared_key : 8a97db5a2ac853ae1d9510aa
['x', 'f'] : sending msg in group x from f
['x', 'f'] : sending msg in group x and y from f in one command
join y
shared_key : b6b99b48e3db1387f8506c32
shared_key : a6fd9d388ec5691e7836aa50
serv_reply : True []
:[['x', 'f'] : sending msg in group x and y from f in one command
['y', 'f'] : sending msg in group x and y from f in one command
['y', 'e'] : sending msg in group y from e
['y', 'e'] : sending msg in group y and user a from e in one command
['x', 'a'] : 3.mp3
```

```
nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
serv_reply : True [1, 'Command executed successfully']
:join y
shared_key : ebb3a84cf8bf180cdd5b28c
shared_key : 7bbd6bef3bfefb4f28018bb3
serv_reply : True []
:[['y', 'f'] : sending msg in group x and y from f in one command
shared_key : a6fd9d388ec5691e7836aa50
['y', 'f'] : sending msg in group x and y from f in one command
send y msg sending msg in group y from e
['send', 'y', 'msg', 'sending msg in group y from e']
serv_reply : True []
:send y,a msg sending msg in group y and user a from e in one command
['send', 'y,a', 'msg', 'sending msg in group y and user a from e in one command']
shared_key : c689cde862bdc7277d9ece1d
serv_reply : True []
:
```

```
nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
serv_reply : True []
:send b msg hello to b (c has never talk to b so we'll first exchange key)
['send', 'b', 'msg', 'hello to b (c has never talk to b so we'll first exchange key)']
shared_key : 3394e0eead82c8446efce59f
serv_reply : True []
:b : sending msg to c from b
b : sending msg to a and c from b in one command
send a,b msg sending msg to a and b from c in one command
['send', 'a,b', 'msg', 'sending msg to a and b from c in one command']
serv_reply : True []
:join x
shared_key : 42abe7aa993e810421d42a99
serv_reply : True []
:[['x', 'f'] : sending msg in group x from f
['x', 'f'] : sending msg in group x and y from f in one command
['x', 'f'] : sending msg in group x and y from f in one command
['x', 'a'] : 3.mp3
```

```
nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
:signup d d
serv_reply : True [1, 'Command executed successfully']
:signin d d
serv_reply : True [1, 'Command executed successfully']
:create x
serv_reply : True [-1, 'Non Valid command / Command executed un-successfully / Group already exists']
]
:create y
serv_reply : True [1, 'Command executed successfully']
:shared_key : 7f8e62c5c8af21afde05ffb4
shared_key : ebb3a84cf8bf180cdd5b28c
[['y', 'f'] : sending msg in group x and y from f in one command
shared_key : b6b99b48e3db1387f8506c32
[['y', 'f'] : sending msg in group x and y from f in one command
[['y', 'e'] : sending msg in group y from e
[['y', 'e'] : sending msg in group y and user a from e in one command
['y', 'e'] : sending msg in group y and user a from e in one command
:
```

```
nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
:shared_key : 7bbd6bef3bfefb4f28018bb3
send x msg sending msg in group x from f
['send', 'x', 'msg', 'sending msg in group x from f']
serv_reply : True []
:send x,y msg sending msg in group x and y from f in one command
['send', 'x,y', 'msg', 'sending msg in group x and y from f in one command']
serv_reply : True []
:
send x,y msg sending msg in group x and y from f in one command
serv_reply : True []
:
['send', 'x,y', 'msg', 'sending msg in group x and y from f in one command']
serv_reply : True []
:[['y', 'e'] : sending msg in group y from e
[['y', 'e'] : sending msg in group y and user a from e in one command
[['x', 'a'] : 3.mp3
```

Activities

Terminator

Jan 27 21:49

nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files

```
>_ nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
serv_reply : True [1, 'Command executed successfully']
:shared_key : 0825cb168c1bc1f0cc0f0703
c : hello to a (c has never talk to a so we'll first exchange key)
shared_key : 2e7b66283f993fd7d30b5e40
b : sending msg to a and c from b in one command
c : sending msg to a and b from c in one command
create x
serv_reply : True [1, 'Command executed successfully']
:shared_key : eeaac10f114c9546d5c3e520
['x', 'f'] : sending msg in group x from f
['x', 'f'] : sending msg in group x and y from f in one command
['x', 'f'] : sending msg in group x and y from f in one command
shared_key : c689cde862bdc7277d9ece1d
e : sending msg in group y and user a from e in one command
send x file /home/nisarg/Downloads/3.mp3
['send', 'x', 'file', '/home/nisarg/Downloads/3.mp3']
serv_reply : True []
:[]
```

```
nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
shared_key : 2e7b66283f993fd7d30b5e40
serv_reply : True []
:c : sending msg to a and b from c in one command
join x
serv_reply : True []
:shared_key : 8a97db5a2ac853ae1d9510aa
['x', 'f'] : sending msg in group x from f
['x', 'f'] : sending msg in group x and y from f in one command
join y
shared_key : b6b99b48e3db1387f8506c32
shared_key : a6fd9d388ec5691e7836aa50
serv_reply : True []
:[['x', 'f'] : sending msg in group x and y from f in one command
['y', 'f'] : sending msg in group x and y from f in one command
['y', 'e'] : sending msg in group y from e
['y', 'e'] : sending msg in group y and user a from e in one command
['x', 'a'] : 3.mp3
:[]
```

```
nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
serv_reply : True [1, 'Command executed successfully']
:join y
shared_key : ebb3a84cf8bf180cdd5b28c
shared_key : 7bbd6bef3bfefb4f28018bb3
serv_reply : True []
:[['y', 'f'] : sending msg in group x and y from f in one command
shared_key : a6fd9d388ec5691e7836aa50
['y', 'f'] : sending msg in group x and y from f in one command
send y msg sending msg in group y from e
['send', 'y', 'msg', 'sending msg in group y from e']
serv_reply : True []
:send y,a msg sending msg in group y and user a from e in one command
['send', 'y,a', 'msg', 'sending msg in group y and user a from e in one command']
shared_key : c689cde862bdc7277d9ece1d
serv_reply : True []
:[]
```

```
nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
serv_reply : True []
:send b msg hello to b (c has never talk to b so we'll first exchange key)
['send', 'b', 'msg', 'hello to b (c has never talk to b so we'll first exchange key)']
shared_key : 3394e0eead82c8446efce59f
serv_reply : True []
:b : sending msg to c from b
b : sending msg to a and c from b in one command
send a,b msg sending msg to a and b from c in one command
['send', 'a,b', 'msg', 'sending msg to a and b from c in one command']
serv_reply : True []
:join x
shared_key : 42abe7aa993e810421d42a99
serv_reply : True []
:[['x', 'f'] : sending msg in group x from f
['x', 'f'] : sending msg in group x and y from f in one command
['x', 'f'] : sending msg in group x and y from f in one command
['x', 'a'] : 3.mp3
:[]
```

```
nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
:signup d d
serv_reply : True [1, 'Command executed successfully']
:signin d d
serv_reply : True [1, 'Command executed successfully']
:create x
serv_reply : True [-1, 'Non Valid command / Command executed un-successfully / Group already exists']
]
:create y
serv_reply : True [1, 'Command executed successfully']
:shared_key : 7f8e62c5c8af21afde05ffb4
shared_key : ebb3a84cf8bf180cdd5b28c
[['y', 'f'] : sending msg in group x and y from f in one command
shared_key : b6b99b48e3db1387f8506c32
[['y', 'f'] : sending msg in group x and y from f in one command
[['y', 'e'] : sending msg in group y from e
[['y', 'e'] : sending msg in group y and user a from e in one command
['x', 'a'] : 3.mp3
:[]
```

```
nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
:shared_key : 7bbd6bef3bfefb4f28018bb3
send x msg sending msg in group x from f
['send', 'x', 'msg', 'sending msg in group x from f']
serv_reply : True []
:send x,y msg sending msg in group x and y from f in one command
['send', 'x,y', 'msg', 'sending msg in group x and y from f in one command']
serv_reply : True []
:
send x,y msg sending msg in group x and y from f in one command
serv_reply : True []
:
['send', 'x,y', 'msg', 'sending msg in group x and y from f in one command']
serv_reply : True []
:[['y', 'e'] : sending msg in group y from e
[['y', 'e'] : sending msg in group y and user a from e in one command
['x', 'a'] : 3.mp3
:[]
```

Activities

Terminator ▾

Jan 27 21:49

nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files

```
>_ nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
serv_reply : True [1, 'Command executed successfully']
:shared_key : 0825cb168c1bc1f0cc0f0703
c : hello to a (c has never talk to a so we'll first exchange key)
shared_key : 2e7b66283f993fd7d30b5e40
b : sending msg to a and c from b in one command
c : sending msg to a and b from c in one command
create x
serv_reply : True [1, 'Command executed successfully']
:shared_key : eeaac10f114c9546d5c3e520
['x', 'f'] : sending msg in group x from f
['x', 'f'] : sending msg in group x and y from f in one command
['x', 'f'] : sending msg in group x and y from f in one command
shared_key : c689cde862bdc7277d9ece1d
e : sending msg in group y and user a from e in one command
send x file /home/nisarg/Downloads/3.mp3
['send', 'x', 'file', '/home/nisarg/Downloads/3.mp3']
serv_reply : True []
:[]
```

```
nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
shared_key : 2e7b66283f993fd7d30b5e40
serv_reply : True []
:c : sending msg to a and b from c in one command
join x
serv_reply : True []
:shared_key : 8a97db5a2ac853ae1d9510aa
['x', 'f'] : sending msg in group x from f
['x', 'f'] : sending msg in group x and y from f in one command
join y
shared_key : b6b99b48e3db1387f8506c32
shared_key : a6fd9d388ec5691e7836aa50
serv_reply : True []
:[['x', 'f'] : sending msg in group x and y from f in one command
['y', 'f'] : sending msg in group x and y from f in one command
['y', 'e'] : sending msg in group y from e
['y', 'e'] : sending msg in group y and user a from e in one command
['x', 'a'] : 3.mp3
```

```
nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
serv_reply : True [1, 'Command executed successfully']
:join y
shared_key : ebb3a84cf8bf180cdd5b28c
shared_key : 7bbd6bef3bfefb4f28018bb3
serv_reply : True []
:[['y', 'f'] : sending msg in group x and y from f in one command
shared_key : a6fd9d388ec5691e7836aa50
['y', 'f'] : sending msg in group x and y from f in one command
send y msg sending msg in group y from e
['send', 'y', 'msg', 'sending msg in group y from e']
serv_reply : True []
:send y,a msg sending msg in group y and user a from e in one command
['send', 'y,a', 'msg', 'sending msg in group y and user a from e in one command']
shared_key : c689cde862bdc7277d9ece1d
serv_reply : True []
:[]
```

```
nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
serv_reply : True []
:send b msg hello to b (c has never talk to b so we'll first exchange key)
['send', 'b', 'msg', 'hello to b (c has never talk to b so we'll first exchange key)']
shared_key : 3394e0eead82c8446efce59f
serv_reply : True []
:b : sending msg to c from b
b : sending msg to a and c from b in one command
send a,b msg sending msg to a and b from c in one command
['send', 'a,b', 'msg', 'sending msg to a and b from c in one command']
serv_reply : True []
:join x
shared_key : 42abe7aa993e810421d42a99
serv_reply : True []
:[['x', 'f'] : sending msg in group x from f
['x', 'f'] : sending msg in group x and y from f in one command
['x', 'f'] : sending msg in group x and y from f in one command
['x', 'a'] : 3.mp3
```

```
nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
:signup d d
serv_reply : True [1, 'Command executed successfully']
:signin d d
serv_reply : True [1, 'Command executed successfully']
:create x
serv_reply : True [-1, 'Non Valid command / Command executed un-successfully / Group already exists']
]
:create y
serv_reply : True [1, 'Command executed successfully']
:shared_key : 7f8e62c5c8af21afde05ffb4
shared_key : ebb3a84cf8bf180cdd5b28c
[['y', 'f'] : sending msg in group x and y from f in one command
shared_key : b6b99b48e3db1387f8506c32
[['y', 'f'] : sending msg in group x and y from f in one command
[['y', 'e'] : sending msg in group y from e
[['y', 'e'] : sending msg in group y and user a from e in one command
[['y', 'a'] : 3.mp3
```

```
nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
:shared_key : 7bbd6bef3bfefb4f28018bb3
send x msg sending msg in group x from f
['send', 'x', 'msg', 'sending msg in group x from f']
serv_reply : True []
:send x,y msg sending msg in group x and y from f in one command
['send', 'x,y', 'msg', 'sending msg in group x and y from f in one command']
serv_reply : True []
:
send x,y msg sending msg in group x and y from f in one command
serv_reply : True []
:
['send', 'x,y', 'msg', 'sending msg in group x and y from f in one command']
serv_reply : True []
:[['y', 'e'] : sending msg in group y from e
[['y', 'e'] : sending msg in group y and user a from e in one command
[['x', 'a'] : 3.mp3
```

Activities

Terminator

Jan 27 21:50

nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files

```
>_ nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
serv_reply : True [1, 'Command executed successfully']
:shared_key : 0825cb168c1bc1f0cc0f0703
c : hello to a (c has never talk to a so we'll first exchange key)
shared_key : 2e7b66283f993fd7d30b5e40
b : sending msg to a and c from b in one command
c : sending msg to a and b from c in one command
create x
serv_reply : True [1, 'Command executed successfully']
:shared_key : eeaac10f114c9546d5c3e520
['x', 'f'] : sending msg in group x from f
['x', 'f'] : sending msg in group x and y from f in one command
['x', 'f'] : sending msg in group x and y from f in one command
shared_key : c689cde862bdc7277d9ece1d
e : sending msg in group y and user a from e in one command
send x file /home/nisarg/Downloads/3.mp3
['send', 'x', 'file', '/home/nisarg/Downloads/3.mp3']
serv_reply : True []
:
```

```
nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
shared_key : 2e7b66283f993fd7d30b5e40
serv_reply : True []
:c : sending msg to a and b from c in one command
join x
serv_reply : True []
:shared_key : 8a97db5a2ac853ae1d9510aa
['x', 'f'] : sending msg in group x from f
['x', 'f'] : sending msg in group x and y from f in one command
join y
shared_key : b6b99b48e3db1387f8506c32
shared_key : a6fd9d388ec5691e7836aa50
serv_reply : True []
:[['x', 'f'] : sending msg in group x and y from f in one command
['y', 'f'] : sending msg in group x and y from f in one command
['y', 'e'] : sending msg in group y from e
['y', 'e'] : sending msg in group y and user a from e in one command
['x', 'a'] : 3.mp3
:
```

```
nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
shared_key : ebb3a84cf8bf180cdd5b28c
shared_key : 7bbd6bef3bfefb4f28018bb3
serv_reply : True []
:[['y', 'f'] : sending msg in group x and y from f in one command
shared_key : a6fd9d388ec5691e7836aa50
['y', 'f'] : sending msg in group x and y from f in one command
send y msg sending msg in group y from e
['send', 'y', 'msg', 'sending msg in group y from e']
serv_reply : True []
:send y,a msg sending msg in group y and user a from e in one command
['send', 'y,a', 'msg', 'sending msg in group y and user a from e in one command']
shared_key : c689cde862bdc7277d9ece1d
serv_reply : True []
:send y,a file /home/nisarg/Downloads/quiz2.pdf
['send', 'y,a', 'file', '/home/nisarg/Downloads/quiz2.pdf']
```

```
nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
serv_reply : True []
:send b msg hello to b (c has never talk to b so we'll first exchange key)
['send', 'b', 'msg', 'hello to b (c has never talk to b so we'll first exchange key)']
shared_key : 3394e0eead82c8446efce59f
serv_reply : True []
:b : sending msg to c from b
b : sending msg to a and c from b in one command
send a,b msg sending msg to a and b from c in one command
['send', 'a,b', 'msg', 'sending msg to a and b from c in one command']
serv_reply : True []
:join x
shared_key : 42abe7aa993e810421d42a99
serv_reply : True []
:[['x', 'f'] : sending msg in group x from f
['x', 'f'] : sending msg in group x and y from f in one command
['x', 'f'] : sending msg in group x and y from f in one command
['x', 'a'] : 3.mp3
:
```

```
nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
:signup d d
serv_reply : True [1, 'Command executed successfully']
:signin d d
serv_reply : True [1, 'Command executed successfully']
:create x
serv_reply : True [-1, 'Non Valid command / Command executed un-successfully / Group already exists']
]:
:create y
serv_reply : True [1, 'Command executed successfully']
:shared_key : 7f8e62c5c8af21afde05ffb4
shared_key : ebb3a84cf8bf180cdd5b28c
:[['y', 'f'] : sending msg in group x and y from f in one command
shared_key : b6b99b48e3db1387f8506c32
['y', 'f'] : sending msg in group x and y from f in one command
['y', 'e'] : sending msg in group y from e
['y', 'e'] : sending msg in group y and user a from e in one command
['y', 'a'] : 3.mp3
:
```

```
nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
:shared_key : 7bbd6bef3bfefb4f28018bb3
send x msg sending msg in group x from f
['send', 'x', 'msg', 'sending msg in group x from f']
serv_reply : True []
:send x,y msg sending msg in group x and y from f in one command
['send', 'x,y', 'msg', 'sending msg in group x and y from f in one command']
serv_reply : True []
:
send x,y msg sending msg in group x and y from f in one command
serv_reply : True []
:
['send', 'x,y', 'msg', 'sending msg in group x and y from f in one command']
serv_reply : True []
:[['y', 'e'] : sending msg in group y from e
['y', 'e'] : sending msg in group y and user a from e in one command
['x', 'a'] : 3.mp3
:
```

Activities

Terminator

Jan 27 21:51

nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files

```
>_ nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
serv_reply : True [1, 'Command executed successfully']
:shared_key : 0825cb168c1bc1f0cc0f0703
c : hello to a (c has never talk to a so we'll first exchange key)
shared_key : 2e7b66283f993fd7d30b5e40
b : sending msg to a and c from b in one command
c : sending msg to a and b from c in one command
create x
serv_reply : True [1, 'Command executed successfully']
:shared_key : eeaac10f114c9546d5c3e520
['x', 'f'] : sending msg in group x from f
['x', 'f'] : sending msg in group x and y from f in one command
['x', 'f'] : sending msg in group x and y from f in one command
shared_key : c689cde862bdc7277d9ece1d
e : sending msg in group y and user a from e in one command
send x file /home/nisarg/Downloads/3.mp3
['send', 'x', 'file', '/home/nisarg/Downloads/3.mp3']
serv_reply : True []
:
```

```
nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
serv_reply : True []
:c : sending msg to a and b from c in one command
join x
serv_reply : True []
:shared_key : 8a97db5a2ac853ae1d9510aa
['x', 'f'] : sending msg in group x from f
['x', 'f'] : sending msg in group x and y from f in one command
join y
shared_key : b6b99b48e3db1387f8506c32
shared_key : a6fd9d388ec5691e7836aa50
serv_reply : True []
:[['x', 'f'] : sending msg in group x and y from f in one command
['y', 'f'] : sending msg in group x and y from f in one command
['y', 'e'] : sending msg in group y from e
['y', 'e'] : sending msg in group y and user a from e in one command
['x', 'a'] : 3.mp3
['y', 'e'] : quiz2.pdf
:
```

```
nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
:join y
shared_key : ebb3a84cf8bf180cdd5b28c
shared_key : 7bbd6bef3bfefb4f28018bb3
serv_reply : True []
:[['y', 'f'] : sending msg in group x and y from f in one command
shared_key : a6fd9d388ec5691e7836aa50
['y', 'f'] : sending msg in group x and y from f in one command
send y msg sending msg in group y from e
['send', 'y', 'msg', 'sending msg in group y from e']
serv_reply : True []
:send y,a msg sending msg in group y and user a from e in one command
['send', 'y,a', 'msg', 'sending msg in group y and user a from e in one command']
shared_key : c689cde862bdc7277d9ece1d
serv_reply : True []
:send y,a file /home/nisarg/Downloads/quiz2.pdf
['send', 'y,a', 'file', '/home/nisarg/Downloads/quiz2.pdf']
:
```

```
nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
serv_reply : True []
:send b msg hello to b (c has never talk to b so we'll first exchange key)
['send', 'b', 'msg', 'hello to b (c has never talk to b so we'll first exchange key)']
shared_key : 3394e0eead82c8446efce59f
serv_reply : True []
:b : sending msg to c from b
b : sending msg to a and c from b in one command
send a,b msg sending msg to a and b from c in one command
['send', 'a,b', 'msg', 'sending msg to a and b from c in one command']
serv_reply : True []
:join x
shared_key : 42abe7aa993e810421d42a99
serv_reply : True []
:[['x', 'f'] : sending msg in group x from f
['x', 'f'] : sending msg in group x and y from f in one command
['x', 'f'] : sending msg in group x and y from f in one command
['x', 'a'] : 3.mp3
:
```

```
nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
:signup d d
serv_reply : True [1, 'Command executed successfully']
:signin d d
serv_reply : True [1, 'Command executed successfully']
:create x
serv_reply : True [-1, 'Non Valid command / Command executed un-successfully / Group already exists']
]
:create y
serv_reply : True [1, 'Command executed successfully']
:shared_key : 7f8e62c5c8af21afde05ffb4
shared_key : ebb3a84cf8bf180cdd5b28c
['y', 'f'] : sending msg in group x and y from f in one command
shared_key : b6b99b48e3db1387f8506c32
['y', 'f'] : sending msg in group x and y from f in one command
['y', 'e'] : sending msg in group y from e
['y', 'e'] : sending msg in group y and user a from e in one command
['y', 'e'] : quiz2.pdf
:
```

```
nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
send x msg sending msg in group x from f
['send', 'x', 'msg', 'sending msg in group x from f']
serv_reply : True []
:send x,y msg sending msg in group x and y from f in one command
['send', 'x,y', 'msg', 'sending msg in group x and y from f in one command']
serv_reply : True []
:
send x,y msg sending msg in group x and y from f in one command
serv_reply : True []
:
['send', 'x,y', 'msg', 'sending msg in group x and y from f in one command']
serv_reply : True []
:[['y', 'e'] : sending msg in group y from e
['y', 'e'] : sending msg in group y and user a from e in one command
['x', 'a'] : 3.mp3
['y', 'e'] : quiz2.pdf
:
```

Activities

Terminator

Jan 27 21:51

nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files

```
>_ nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
serv_reply : True [1, 'Command executed successfully']
:shared_key : 0825cb168c1bc1f0cc0f0703
c : hello to a (c has never talk to a so we'll first exchange key)
shared_key : 2e7b66283f993fd7d30b5e40
b : sending msg to a and c from b in one command
c : sending msg to a and b from c in one command
create x
serv_reply : True [1, 'Command executed successfully']
:shared_key : eeaac10f114c9546d5c3e520
['x', 'f'] : sending msg in group x from f
['x', 'f'] : sending msg in group x and y from f in one command
['x', 'f'] : sending msg in group x and y from f in one command
shared_key : c689cde862bdc7277d9ece1d
e : sending msg in group y and user a from e in one command
send x file /home/nisarg/Downloads/3.mp3
['send', 'x', 'file', '/home/nisarg/Downloads/3.mp3']
serv_reply : True []
:
```

```
nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
serv_reply : True []
:c : sending msg to a and b from c in one command
join x
serv_reply : True []
:shared_key : 8a97db5a2ac853ae1d9510aa
['x', 'f'] : sending msg in group x from f
['x', 'f'] : sending msg in group x and y from f in one command
join y
shared_key : b6b99b48e3db1387f8506c32
shared_key : a6fd9d388ec5691e7836aa50
serv_reply : True []
:[['x', 'f'] : sending msg in group x and y from f in one command
['y', 'f'] : sending msg in group x and y from f in one command
['y', 'e'] : sending msg in group y from e
['y', 'e'] : sending msg in group y and user a from e in one command
['x', 'a'] : 3.mp3
['y', 'e'] : quiz2.pdf
:
```

```
nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
:join y
shared_key : ebb3a84cf8bf180cdd5b28c
shared_key : 7bbd6bef3bfefb4f28018bb3
serv_reply : True []
:[['y', 'f'] : sending msg in group x and y from f in one command
shared_key : a6fd9d388ec5691e7836aa50
['y', 'f'] : sending msg in group x and y from f in one command
send y msg sending msg in group y from e
['send', 'y', 'msg', 'sending msg in group y from e']
serv_reply : True []
:send y,a msg sending msg in group y and user a from e in one command
['send', 'y,a', 'msg', 'sending msg in group y and user a from e in one command']
shared_key : c689cde862bdc7277d9ece1d
serv_reply : True []
:send y,a file /home/nisarg/Downloads/quiz2.pdf
['send', 'y,a', 'file', '/home/nisarg/Downloads/quiz2.pdf']
:
```

```
nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
serv_reply : True []
:send b msg hello to b (c has never talk to b so we'll first exchange key)
['send', 'b', 'msg', 'hello to b (c has never talk to b so we'll first exchange key)']
shared_key : 3394e0eead82c8446efce59f
serv_reply : True []
:b : sending msg to c from b
b : sending msg to a and c from b in one command
send a,b msg sending msg to a and b from c in one command
['send', 'a,b', 'msg', 'sending msg to a and b from c in one command']
serv_reply : True []
:join x
shared_key : 42abe7aa993e810421d42a99
serv_reply : True []
:[['x', 'f'] : sending msg in group x from f
['x', 'f'] : sending msg in group x and y from f in one command
['x', 'f'] : sending msg in group x and y from f in one command
['x', 'a'] : 3.mp3
:
```

```
nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
:signup d d
serv_reply : True [1, 'Command executed successfully']
:signin d d
serv_reply : True [1, 'Command executed successfully']
:create x
serv_reply : True [-1, 'Non Valid command / Command executed un-successfully / Group already exists']
]
:create y
serv_reply : True [1, 'Command executed successfully']
:shared_key : 7f8e62c5c8af21afde05ffb4
shared_key : ebb3a84cf8bf180cdd5b28c
[['y', 'f'] : sending msg in group x and y from f in one command
shared_key : b6b99b48e3db1387f8506c32
[['y', 'f'] : sending msg in group x and y from f in one command
[['y', 'e'] : sending msg in group y from e
[['y', 'e'] : sending msg in group y and user a from e in one command
[['y', 'e'] : quiz2.pdf
:
```

```
nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
send x msg sending msg in group x from f
['send', 'x', 'msg', 'sending msg in group x from f']
serv_reply : True []
:send x,y msg sending msg in group x and y from f in one command
['send', 'x,y', 'msg', 'sending msg in group x and y from f in one command']
serv_reply : True []
:
send x,y msg sending msg in group x and y from f in one command
serv_reply : True []
:
['send', 'x,y', 'msg', 'sending msg in group x and y from f in one command']
serv_reply : True []
:[['y', 'e'] : sending msg in group y from e
[['y', 'e'] : sending msg in group y and user a from e in one command
[['x', 'a'] : 3.mp3
[['y', 'e'] : quiz2.pdf
:
```

Activities

Terminator

Jan 27 21:51

nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files

```
>_ nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
serv_reply : True [1, 'Command executed successfully']
:shared_key : 0825cb168c1bc1f0cc0f0703
c : hello to a (c has never talk to a so we'll first exchange key)
shared_key : 2e7b66283f993fd7d30b5e40
b : sending msg to a and c from b in one command
c : sending msg to a and b from c in one command
create x
serv_reply : True [1, 'Command executed successfully']
:shared_key : eeaac10f114c9546d5c3e520
['x', 'f'] : sending msg in group x from f
['x', 'f'] : sending msg in group x and y from f in one command
['x', 'f'] : sending msg in group x and y from f in one command
shared_key : c689cde862bdc7277d9ece1d
e : sending msg in group y and user a from e in one command
send x file /home/nisarg/Downloads/3.mp3
['send', 'x', 'file', '/home/nisarg/Downloads/3.mp3']
serv_reply : True []
:
```

```
nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
serv_reply : True []
:c : sending msg to a and b from c in one command
join x
serv_reply : True []
:shared_key : 8a97db5a2ac853ae1d9510aa
['x', 'f'] : sending msg in group x from f
['x', 'f'] : sending msg in group x and y from f in one command
join y
shared_key : b6b99b48e3db1387f8506c32
shared_key : a6fd9d388ec5691e7836aa50
serv_reply : True []
:[['x', 'f'] : sending msg in group x and y from f in one command
['y', 'f'] : sending msg in group x and y from f in one command
['y', 'e'] : sending msg in group y from e
['y', 'e'] : sending msg in group y and user a from e in one command
['x', 'a'] : 3.mp3
['y', 'e'] : quiz2.pdf
:
```

```
nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
:join y
shared_key : ebb3a84cf8bf180cdd5b28c
shared_key : 7bbd6bef3bfefb4f28018bb3
serv_reply : True []
:[['y', 'f'] : sending msg in group x and y from f in one command
shared_key : a6fd9d388ec5691e7836aa50
['y', 'f'] : sending msg in group x and y from f in one command
send y msg sending msg in group y from e
['send', 'y', 'msg', 'sending msg in group y from e']
serv_reply : True []
:send y,a msg sending msg in group y and user a from e in one command
['send', 'y,a', 'msg', 'sending msg in group y and user a from e in one command']
shared_key : c689cde862bdc7277d9ece1d
serv_reply : True []
:send y,a file /home/nisarg/Downloads/quiz2.pdf
['send', 'y,a', 'file', '/home/nisarg/Downloads/quiz2.pdf']
:
```

```
nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
serv_reply : True []
:send b msg hello to b (c has never talk to b so we'll first exchange key)
['send', 'b', 'msg', 'hello to b (c has never talk to b so we'll first exchange key)']
shared_key : 3394e0eead82c8446efce59f
serv_reply : True []
:b : sending msg to c from b
b : sending msg to a and c from b in one command
send a,b msg sending msg to a and b from c in one command
['send', 'a,b', 'msg', 'sending msg to a and b from c in one command']
serv_reply : True []
:join x
shared_key : 42abe7aa993e810421d42a99
serv_reply : True []
:[['x', 'f'] : sending msg in group x from f
['x', 'f'] : sending msg in group x and y from f in one command
['x', 'f'] : sending msg in group x and y from f in one command
['x', 'a'] : 3.mp3
:
```

```
nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
:signup d d
serv_reply : True [1, 'Command executed successfully']
:signin d d
serv_reply : True [1, 'Command executed successfully']
:create x
serv_reply : True [-1, 'Non Valid command / Command executed un-successfully / Group already exists']
]
:create y
serv_reply : True [1, 'Command executed successfully']
:shared_key : 7f8e62c5c8af21afde05ffb4
shared_key : ebb3a84cf8bf180cdd5b28c
[['y', 'f'] : sending msg in group x and y from f in one command
shared_key : b6b99b48e3db1387f8506c32
[['y', 'f'] : sending msg in group x and y from f in one command
[['y', 'e'] : sending msg in group y from e
[['y', 'e'] : sending msg in group y and user a from e in one command
[['y', 'e'] : quiz2.pdf
:
```

```
nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
send x msg sending msg in group x from f
['send', 'x', 'msg', 'sending msg in group x from f']
serv_reply : True []
:send x,y msg sending msg in group x and y from f in one command
['send', 'x,y', 'msg', 'sending msg in group x and y from f in one command']
serv_reply : True []
:
send x,y msg sending msg in group x and y from f in one command
serv_reply : True []
:
['send', 'x,y', 'msg', 'sending msg in group x and y from f in one command']
serv_reply : True []
:[['y', 'e'] : sending msg in group y from e
[['y', 'e'] : sending msg in group y and user a from e in one command
[['x', 'a'] : 3.mp3
[['y', 'e'] : quiz2.pdf
:
```

Activities

Terminator ▾

Jan 27 21:52

nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files

```
>_ nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
serv_reply : True [1, 'Command executed successfully']
:shared_key : 0825cb168c1bc1f0cc0f0703
c : hello to a (c has never talk to a so we'll first exchange key)
shared_key : 2e7b66283f993fd7d30b5e40
b : sending msg to a and c from b in one command
c : sending msg to a and b from c in one command
create x
serv_reply : True [1, 'Command executed successfully']
:shared_key : eeaac10f114c9546d5c3e520
['x', 'f'] : sending msg in group x from f
['x', 'f'] : sending msg in group x and y from f in one command
['x', 'f'] : sending msg in group x and y from f in one command
shared_key : c689cde862bdc7277d9ece1d
e : sending msg in group y and user a from e in one command
send x file /home/nisarg/Downloads/3.mp3
['send', 'x', 'file', '/home/nisarg/Downloads/3.mp3']
serv_reply : True []
:[]
```

```
nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
serv_reply : True []
:c : sending msg to a and b from c in one command
join x
serv_reply : True []
:shared_key : 8a97db5a2ac853ae1d9510aa
['x', 'f'] : sending msg in group x from f
['x', 'f'] : sending msg in group x and y from f in one command
join y
shared_key : b6b99b48e3db1387f8506c32
shared_key : a6fd9d388ec5691e7836aa50
serv_reply : True []
:[['x', 'f'] : sending msg in group x and y from f in one command
['y', 'f'] : sending msg in group x and y from f in one command
['y', 'e'] : sending msg in group y from e
['y', 'e'] : sending msg in group y and user a from e in one command
['x', 'a'] : 3.mp3
['y', 'e'] : quiz2.pdf
```

```
nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
['send', 'b', 'msg', "hello to b (c has never talk to b so we'll first exchange key)"]
shared_key : 3394e0eead82c8446efce59f
serv_reply : True []
:b : sending msg to c from b
b : sending msg to a and c from b in one command
send a,b msg sending msg to a and b from c in one command
['send', 'a,b', 'msg', 'sending msg to a and b from c in one command']
serv_reply : True []
:join x
shared_key : 42abe7aa993e810421d42a99
serv_reply : True []
:[['x', 'f'] : sending msg in group x from f
['x', 'f'] : sending msg in group x and y from f in one command
['x', 'f'] : sending msg in group x and y from f in one command
['x', 'a'] : 3.mp3
list
serv_reply : True [0, [[['x', 4], ['y', 4]]]
:[]
```

```
nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
:signup d d
serv_reply : True [1, 'Command executed successfully']
:signin d d
serv_reply : True [1, 'Command executed successfully']
:create x
serv_reply : True [-1, 'Non Valid command / Command executed un-successfully / Group already exists']
]
:create y
serv_reply : True [1, 'Command executed successfully']
:shared_key : 7f8e62c5c8af21afde05ffb4
shared_key : ebb3a84cfb8bf180cdd5b28c
['y', 'f'] : sending msg in group x and y from f in one command
shared_key : b6b99b48e3db1387f8506c32
['y', 'f'] : sending msg in group x and y from f in one command
['y', 'e'] : sending msg in group y from e
['y', 'e'] : sending msg in group y and user a from e in one command
['y', 'e'] : quiz2.pdf
```

```
nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
send x msg sending msg in group x from f
['send', 'x', 'msg', 'sending msg in group x from f']
serv_reply : True []
:send x,y msg sending msg in group x and y from f in one command
['send', 'x,y', 'msg', 'sending msg in group x and y from f in one command']
serv_reply : True []
:
send x,y msg sending msg in group x and y from f in one command
serv_reply : True []
:
['send', 'x,y', 'msg', 'sending msg in group x and y from f in one command']
serv_reply : True []
:[['y', 'e'] : sending msg in group y from e
['y', 'e'] : sending msg in group y and user a from e in one command
['x', 'a'] : 3.mp3
['y', 'e'] : quiz2.pdf
```