```
nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_202020108
3_assign_1/py files$ python3 server.py 127.0.0.47:55002
socket created
Bind info : 127.0.0.47:55002
Listen success
```

```
nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083
_assign_1/py files$ python3 server.py 127.0.0.49:55004
socket created
Bind info : 127.0.0.49:55004
Listen success
```

```
nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_202020108
3_assign_1/py files$ python3 server.py 127.0.0.45:55000
socket created
Bind info : 127.0.0.45:55000
Listen success
```

```
nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083
_assign_1/py files$ python3 LoadBalancer.py
Binding the socket on host ip and port
Will listen on ip : 127.0.0.20 and port: 50000


Got connection from ip: ('127.0.0.1', 53802)

peer/serv - request :  b"[-10, ('127.0.0.45', 55000)]"


Got connection from ip: ('127.0.0.1', 53804)

peer/serv - request :  b"[-10, ('127.0.0.47', 55002)]"


Got connection from ip: ('127.0.0.1', 53806)

peer/serv - request :  b"[-10, ('127.0.0.49', 55004)]"
```

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_202020108
3_assign_1/py files$ python3 server.py 127.0.0.47:55002
socket created
Bind info : 127.0.0.47:55002
Listen success


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$ python3 server.py 127.0.0.49:55004
socket created
Bind info : 127.0.0.49:55004
Listen success


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 1

```
nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_202020108
3_assign_1/py files$ python3 server.py 127.0.0.45:55000
socket created
Bind info : 127.0.0.45:55000
Listen success


uuid :  baac9732-60b8-11eb-bc2f-f9f6d38e3cc7
des_key :  c69d870a6398081de452a775


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 1

```
39784222414289792504185895067358608050844880465235367135178902865364948534786970249078411375481933930
90343810964608006570236658956915834204683424378791205854625852118760043253170115270943897332126065206
73430988544128301742615835690441520477131959379231179251579623344150703478190726102157399485700028688
09394669212011549488936561756139813719583640473575796354116880242856816879250872292296307006395836587
38492945772214852378499546620821414', 'bb733216-60b8-11eb-bc2f-f9f6d38e3cc7']"


Got connection from ip: ('127.0.0.1', 53820)

peer/serv - request :  b"[-5, '254774660682708091557379755542908101307465858700648206500919758483364545
9374314233759798076100795036865200881006723294880060636896021863081072555845551093532293406007610550
38300417256382972640577674820657767375689050787505274769329953893465819456776219964149117580418436517
9211172490350685416942693767516014644238331780332556900053501544881206275577123472429080173824138631900
3958562420167342518853170186892462455272641268090146200370018107311665712147662679796208689330141560
9899798991908929399058427940386050590789894417431866368346226340221987054160220528287360718596975107
94338321305322931605764974135652037105800O]"


chosen_server :  0

Serv - response :  b"['16048966149495542729195997550082135901680066511361557278274774661951783614621864
582392974887034932503601816888471472190583336018653122800398399402498488821694502541709844974175664137
677003303964604388552112084746101867072685954199157840533254838902112929601844143811209826892503384597
94958153265310363827708727371817907279467515509357201085067127144160301614540656089098940474934299840
4306413314171895847016222677590396914344225743201797930521460871683308430841674109135381451339296520047
47728862264454201581387958962315677052637760980700383624708406669605484441695203567229967128971849146
79945631128847640188675214886', 'bbc28ec4-60b8-11eb-bc2f-f9f6d38e3cc7']"
```

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_202020108
3_assign_1/py files$ python3 server.py 127.0.0.47:55002
socket created
Bind info : 127.0.0.47:55002
Listen success


uuid :  bb733216-60b8-11eb-bc2f-f9f6d38e3cc7
des_key :  79c568d70588be5fa5dfcd76


('127.0.0.1', 57924)  :  True [0, "['signup', 'a', 'a', '127.0.0.30', 50030]"]
('127.0.0.1', 57934)  :  True [0, "['signin', 'a', 'a']"]
('127.0.0.1', 57958)  :  True [0, "['signin', 'c', 'c']"]
```

```
nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083
_assign_1/py files$ python3 server.py 127.0.0.49:55004
socket created
Bind info : 127.0.0.49:55004
Listen success


uuid :  bb182362-60b8-11eb-bc2f-f9f6d38e3cc7
des_key :  82af79caa8be379e25fb440c


('127.0.0.1', 46292)  :  True [0, "['signin', 'a', 'wrongpassword']"]
('127.0.0.1', 46304)  :  True [0, "['signup', 'a', 'existinguser', '127.0.0.32', 50032]"]
('127.0.0.1', 46308)  :  True [0, "['signup', 'b', 'b', '127.0.0.32', 50032]"]
('127.0.0.1', 46314)  :  True [0, "['signin', 'b', 'b']"]
('127.0.0.1', 46318)  :  True [0, "['signup', 'c', 'c', '127.0.0.36', 50036]"]
```

```
nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_202020108
3_assign_1/py files$ python3 server.py 127.0.0.45:55000
socket created
Bind info : 127.0.0.45:55000
Listen success


uuid :  baac9732-60b8-11eb-bc2f-f9f6d38e3cc7
des_key :  c69d870a6398081de452a775


uuid :  bbc28ec4-60b8-11eb-bc2f-f9f6d38e3cc7
des_key :  8acce5f9335258a0bd3d847d
```
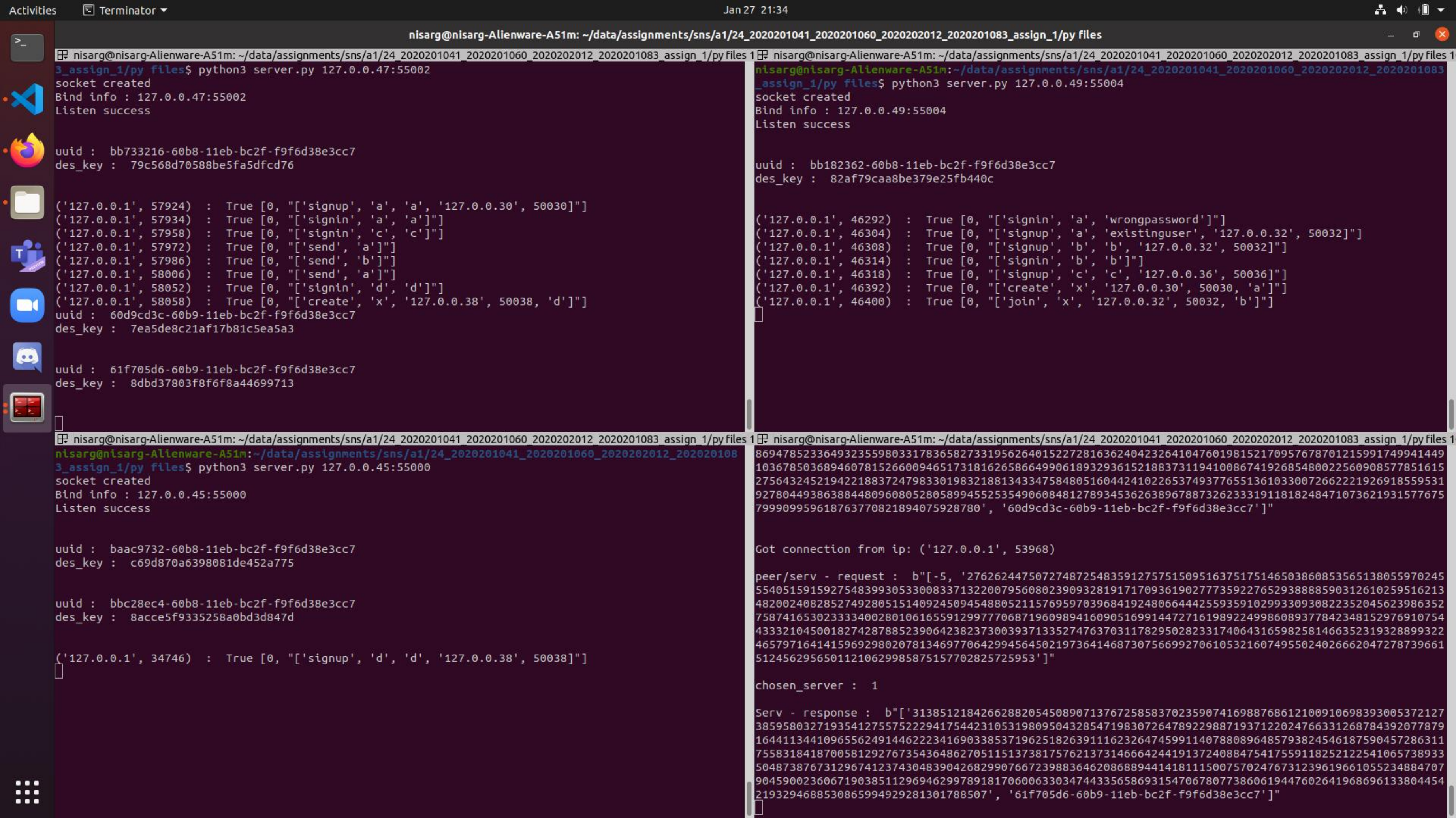
```
Serv - response :  b'\xa4\xb5`\trR\x90&\xec*9\x00\x07\x00\xd3\xa1"\xd8I\xf8\x99\xac\x89\x8ad\xc81\xe2
+\xac\xb0\xb8Up\xd9\x9e\xeb}P*'

Got connection from ip: ('127.0.0.1', 53854)

peer/serv - request :  b'[\'bb182362-60b8-11eb-bc2f-f9f6d38e3cc7\', b\'\\\\"\\xa4E\\x07\\x9b~D\\xae\\
xa1\\x98\\x89\\x01\\x15\\x06x\\x1dA\\xa7\\xcb\\xe6\\xd5e\\x06\\xf2z\\xbd\\x12\\xd4\\xb2\\x91\\xe5\\x8
5\\xfa\\xb75\\xbbyS\\xe1"\\x18\\xc6C|G\\xb1\\xf7\\x060\\x87\\xbe\\x03B &\'']'

chosen_server :  2

Serv - response :  b"\x85\x00\x89\xe4\xa2\xf8o\xcd\x1ba:\xf1\x8e\xb1\xe4\x07.\x16o\xec\x93\xe2M\xe0u$
\xec\x80\xc3\xc0ud\xaaT'\x1f;\xc1\ne"

Got connection from ip: ('127.0.0.1', 53858)

peer/serv - request :  b'[\'bb182362-60b8-11eb-bc2f-f9f6d38e3cc7\', b\'\\\\"\\xa4E\\x07\\x9b~D z\\xf4
\\xd3\\xbb\\xe8(Q\\x1dA\\xa7\\xcb\\xe6\\xd5e\\x06\\x8a2\\xb0\\xd85\\xd7\\xa7\\xd3\'']'

chosen_server :  1

Serv - response :  b"\x85\x00\x89\xe4\xa2\xf8o\xcd\x1ba:\xf1\x8e\xb1\xe4\x07.\x16o\xec\x93\xe2M\xe0u$
\xec\x80\xc3\xc0ud\xaaT'\x1f;\xc1\ne"
```

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

```
3_assign_1/py files$ python3 server.py 127.0.0.47:55002
socket created
Bind info : 127.0.0.47:55002
Listen success


uuid :  bb733216-60b8-11eb-bc2f-f9f6d38e3cc7
des_key :  79c568d70588be5fa5dfcd76


('127.0.0.1', 57924)  :  True [0, "['signup', 'a', 'a', '127.0.0.30', 50030]"]
('127.0.0.1', 57934)  :  True [0, "['signin', 'a', 'a']"]
('127.0.0.1', 57958)  :  True [0, "['signin', 'c', 'c']"]
('127.0.0.1', 57972)  :  True [0, "['send', 'a']"]
('127.0.0.1', 57986)  :  True [0, "['send', 'b']"]
('127.0.0.1', 58006)  :  True [0, "['send', 'a']"]
('127.0.0.1', 58052)  :  True [0, "['signin', 'd', 'd']"]
('127.0.0.1', 58058)  :  True [0, "['create', 'x', '127.0.0.38', 50038, 'd']"]
uuid :  60d9cd3c-60b9-11eb-bc2f-f9f6d38e3cc7
des_key :  7ea5de8c21af17b81c5ea5a3


uuid :  61f705d6-60b9-11eb-bc2f-f9f6d38e3cc7
des_key :  8dbd37803f8f6f8a44699713
```

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 server.py 127.0.0.49:55004
socket created
Bind info : 127.0.0.49:55004
Listen success


uuid :  bb182362-60b8-11eb-bc2f-f9f6d38e3cc7
des_key :  82af79caa8be379e25fb440c


('127.0.0.1', 46292)  :  True [0, "['signin', 'a', 'wrongpassword']"]
('127.0.0.1', 46304)  :  True [0, "['signup', 'a', 'existinguser', '127.0.0.32', 50032]"]
('127.0.0.1', 46308)  :  True [0, "['signup', 'b', 'b', '127.0.0.32', 50032]"]
('127.0.0.1', 46314)  :  True [0, "['signin', 'b', 'b']"]
('127.0.0.1', 46318)  :  True [0, "['signup', 'c', 'c', '127.0.0.36', 50036]"]
('127.0.0.1', 46392)  :  True [0, "['create', 'x', '127.0.0.30', 50030, 'a']"]
('127.0.0.1', 46400)  :  True [0, "['join', 'x', '127.0.0.32', 50032, 'b']"]
```

```
nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_202020108
3_assign_1/py files$ python3 server.py 127.0.0.45:55000
socket created
Bind info : 127.0.0.45:55000
Listen success


uuid :  baac9732-60b8-11eb-bc2f-f9f6d38e3cc7
des_key :  c69d870a6398081de452a775


uuid :  bbc28ec4-60b8-11eb-bc2f-f9f6d38e3cc7
des_key :  8acce5f9335258a0bd3d847d


('127.0.0.1', 34746)  :  True [0, "['signup', 'd', 'd', '127.0.0.38', 50038]"]
```

```
86947852336493235598033178365827331956264015227281636240432641047601981521709576787012159917499414491
036785036894607815266009465173181626586649906189329361521883731194100867419268548002256090857785161527
564324521942218837247983301983218813433475848051604424102265374937765513610330072662221926918559531
927804493863884480960805280589945525354906084812789345362638967887326233191181824847107362193157767579
9909959618763770821894075928780', '60d9cd3c-60b9-11eb-bc2f-f9f6d38e3cc7']"


Got connection from ip: ('127.0.0.1', 53968)

peer/serv - request :  b"[-5, '276262447507274872548359127575150951637517514650386085356513805597024555
405159159275483993053300833713220079560802390932819171709361902777359227652938885903126102595162134820024082852749280515140924509454880521157695970396841924806644425593591029933093082235204562398635275874165302333340028010616559129977706871960989416090516991447271619892249986089377842348152976910754433321045001827428788523906423823730039371335274763703117829502823317406431659825814663523193288993224657971641415969298020781346977064299456450219736414687307566992706105321607495502402662047278739661512456295650112106299858751577028257259530
```

```
chosen_server :  1
```

```
Serv - response :  b"['31385121842662882054508907137672585837023590741698876861210091069839300537212738595803271935412755752229417544231053198095043285471983072647892298871937122024766331268784392077879164411344109655624914462223416903853719625182639111623264745991140788089648579382454618759045728631175583184187005812927673543648627051151373817576213731466642441913724088475417559118252122541065738933504873876731296741237430483904268299076672398836462086889441418111500757024767312396196610552348847079045900236067190385112969462997891817060006330347443356586931547067807738606194476026419686961338044542193294688530865994292281301788507', '61f705d6-60b9-11eb-bc2f-f9f6d38e3cc7']"
```

Activities   Terminator ▾   Jan 27 21:35

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

```
uuid :  bb733216-60b8-11eb-bc2f-f9f6d38e3cc7
des_key :  79c568d70588be5fa5dfcd76


('127.0.0.1', 57924)  :  True [0, "['signup', 'a', 'a', '127.0.0.30', 50030]"]
('127.0.0.1', 57934)  :  True [0, "['signin', 'a', 'a']"]
('127.0.0.1', 57958)  :  True [0, "['signin', 'c', 'c']"]
('127.0.0.1', 57972)  :  True [0, "['send', 'a']"]
('127.0.0.1', 57986)  :  True [0, "['send', 'b']"]
('127.0.0.1', 58006)  :  True [0, "['send', 'a']"]
('127.0.0.1', 58052)  :  True [0, "['signin', 'd', 'd']"]
('127.0.0.1', 58058)  :  True [0, "['create', 'x', '127.0.0.38', 50038, 'd']"]
uuid :  60d9cd3c-60b9-11eb-bc2f-f9f6d38e3cc7
des_key :  7ea5de8c21af17b81c5ea5a3


uuid :  61f705d6-60b9-11eb-bc2f-f9f6d38e3cc7
des_key :  8dbd37803f8f6f8a44699713


('127.0.0.1', 58072)  :  True [0, "['create', 'y', '127.0.0.38', 50038, 'd']"]
('127.0.0.1', 58078)  :  True [0, "['signup', 'e', 'e', '127.0.0.34', 50034]"]
('127.0.0.1', 58084)  :  True [0, "['signin', 'e', 'e']"]
('127.0.0.1', 58092)  :  True [0, "['signin', 'f', 'f']"]
```

```
nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083
_assign_1/py files$ python3 server.py 127.0.0.49:55004
socket created
Bind info : 127.0.0.49:55004
Listen success


uuid :  bb182362-60b8-11eb-bc2f-f9f6d38e3cc7
des_key :  82af79caa8be379e25fb440c


('127.0.0.1', 46292)  :  True [0, "['signin', 'a', 'wrongpassword']"]
('127.0.0.1', 46304)  :  True [0, "['signup', 'a', 'existinguser', '127.0.0.32', 50032]"]
('127.0.0.1', 46308)  :  True [0, "['signup', 'b', 'b', '127.0.0.32', 50032]"]
('127.0.0.1', 46314)  :  True [0, "['signin', 'b', 'b']"]
('127.0.0.1', 46318)  :  True [0, "['signup', 'c', 'c', '127.0.0.36', 50036]"]
('127.0.0.1', 46392)  :  True [0, "['create', 'x', '127.0.0.30', 50030, 'a']"]
('127.0.0.1', 46400)  :  True [0, "['join', 'x', '127.0.0.32', 50032, 'b']"]
```

```
nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_202020108
3_assign_1/py files$ python3 server.py 127.0.0.45:55000
socket created
Bind info : 127.0.0.45:55000
Listen success


uuid :  baac9732-60b8-11eb-bc2f-f9f6d38e3cc7
des_key :  c69d870a6398081de452a775


uuid :  bbc28ec4-60b8-11eb-bc2f-f9f6d38e3cc7
des_key :  8acce5f9335258a0bd3d847d


('127.0.0.1', 34746)  :  True [0, "['signup', 'd', 'd', '127.0.0.38', 50038]"]
('127.0.0.1', 34786)  :  True [0, "['signup', 'f', 'f', '127.0.0.40', 50040]"]
```

```
Serv - response :  b'R\xcc)\xe9i$\xe5\xaf}\xa4(\xb7*\x8c\xbd\x1d\xcc\xf6\xcd-{\x13\xe5\xc1\x83w\xd8$\
xda:\x19\xee=\xeb_j\x15+|t'


Got connection from ip: ('127.0.0.1', 53988)


peer/serv - request :  b'[\'61f705d6-60b9-11eb-bc2f-f9f6d38e3cc7\', b"o\\xc5\\xba\\x12gp!_P\\x8d\\xfb
\\x81;\\xcdH\\\\J\\x85@\'\\x17;]\\xe5\\xb3\\x7f\\x9b_\\x8bd\\x8cQh\\xf2\\xfdi\\xaa\\x90\\x1c\\xb0\\xd
2\\xc0E\\xf5=\\x9aJi\\x92q\\xb9\\xa6\\x8aO\\xccI"]'


chosen_server :  0


Serv - response :  b'\xe1?\xf6\xbe\xc1\xcb\xfb\xdcF\x10\xa1\x0b\xc9`+ls4\xa2\x05m)\xa6\xa6\x9b\xb1\x0
5Nryz\r3G\x17\x93\xc0\x97\xdd\xaa'


Got connection from ip: ('127.0.0.1', 53992)


peer/serv - request :  b'[\'61f705d6-60b9-11eb-bc2f-f9f6d38e3cc7\', b"o\\xc5\\xba\\x12gp!_\\x00\\x8d\
\xd9\\r\\xa1\\x1c\\xe5\\x10J\\x85@\'\\x17;]\\xe5\\xb1xR0\\x18&o\\x16"]'


chosen_server :  1


Serv - response :  b'\xe1?\xf6\xbe\xc1\xcb\xfb\xdcF\x10\xa1\x0b\xc9`+ls4\xa2\x05m)\xa6\xa6\x9b\xb1\x0
5Nryz\r3G\x17\x93\xc0\x97\xdd\xaa'
```

Activities   Terminator ▾   Jan 27 21:39

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

```
des_key :  7ea5de8c21af17b81c5ea5a3


uuid :  61f705d6-60b9-11eb-bc2f-f9f6d38e3cc7
des_key :  8dbd37803f8f6f8a44699713


('127.0.0.1', 58072)  :  True [0, "['create', 'y', '127.0.0.38', 50038, 'd']"]
('127.0.0.1', 58078)  :  True [0, "['signup', 'e', 'e', '127.0.0.34', 50034]"]
('127.0.0.1', 58084)  :  True [0, "['signin', 'e', 'e']"]
('127.0.0.1', 58092)  :  True [0, "['signin', 'f', 'f']"]
('127.0.0.1', 58110)  :  True [0, "['SEND', 'b']"]
('127.0.0.1', 58122)  :  True [0, "['join', 'x', '127.0.0.36', 50036, 'c']"]
('127.0.0.1', 58168)  :  True [0, "['SEND', 'd']"]
^CTraceback (most recent call last):
  File "server.py", line 243, in <module>
    main()
  File "server.py", line 239, in main
    startServer(serv_ip, int(serv_port))
  File "server.py", line 194, in startServer
    client_sock, addr = s.accept()
  File "/usr/lib/python3.8/socket.py", line 292, in accept
    fd, addr = self._accept()
KeyboardInterrupt
nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_202020108
3_assign_1/py files$
```

```
nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083
_assign_1/py files$ python3 server.py 127.0.0.49:55004
socket created
Bind info : 127.0.0.49:55004
Listen success


uuid :  bb182362-60b8-11eb-bc2f-f9f6d38e3cc7
des_key :  82af79caa8be379e25fb440c


('127.0.0.1', 46292)  :  True [0, "['signin', 'a', 'wrongpassword']"]
('127.0.0.1', 46304)  :  True [0, "['signup', 'a', 'existinguser', '127.0.0.32', 50032]"]
('127.0.0.1', 46308)  :  True [0, "['signup', 'b', 'b', '127.0.0.32', 50032]"]
('127.0.0.1', 46314)  :  True [0, "['signin', 'b', 'b']"]
('127.0.0.1', 46318)  :  True [0, "['signup', 'c', 'c', '127.0.0.36', 50036]"]
('127.0.0.1', 46392)  :  True [0, "['create', 'x', '127.0.0.30', 50030, 'a']"]
('127.0.0.1', 46400)  :  True [0, "['join', 'x', '127.0.0.32', 50032, 'b']"]
('127.0.0.1', 46462)  :  True [0, "['join', 'x', '127.0.0.40', 50040, 'f']"]
('127.0.0.1', 46466)  :  True [0, "['SEND', 'a']"]
('127.0.0.1', 46510)  :  True [0, "['join', 'y', '127.0.0.40', 50040, 'f']"]
('127.0.0.1', 46514)  :  True [0, "['SEND', 'd']"]
('127.0.0.1', 46528)  :  True [0, "['join', 'y', '127.0.0.34', 50034, 'e']"]
```

```
nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_202020108
3_assign_1/py files$ python3 server.py 127.0.0.45:55000
socket created
Bind info : 127.0.0.45:55000
Listen success


uuid :  baac9732-60b8-11eb-bc2f-f9f6d38e3cc7
des_key :  c69d870a6398081de452a775


uuid :  bbc28ec4-60b8-11eb-bc2f-f9f6d38e3cc7
des_key :  8acce5f9335258a0bd3d847d


('127.0.0.1', 34746)  :  True [0, "['signup', 'd', 'd', '127.0.0.38', 50038]"]
('127.0.0.1', 34786)  :  True [0, "['signup', 'f', 'f', '127.0.0.40', 50040]"]
('127.0.0.1', 34828)  :  True [0, "['SEND', 'f']"]
('127.0.0.1', 34874)  :  True [0, "['SEND', 'f']"]
```

```
chosen_server :  1

Serv - response :  b'\x08\x90\xedn0\x90\x8d%\x11\xee\xb0\x9ez_\xe0\xc6\x1f6\x82\xbfn\xea\x87\xe4pp\x9
e\x84WP\x13\xf7\x18\xc9\xef\x9fB\xb7\xd5\x83'


Got connection from ip: ('127.0.0.1', 54076)

peer/serv - request :  b"['60d9cd3c-60b9-11eb-bc2f-f9f6d38e3cc7', b'W/\\xae!\\xad0&\\x98\\xc2\\x95W\\
x9e.u;\\xce\\xeeeQ\\xb4dt\\xfc\\xa1']"

chosen_server :  0

Serv - response :  b"I\xceI\xb9\xa7+ \xd9\x11\xee\xb0\x9ez_\xe0\xc6tEa\xa2\xa2\xaf\x17f\x17\x01\x1e\x
b3\xcc\x01c'\x18\xc9\xef\x9fB\xb7\xd5\x83'


Got connection from ip: ('127.0.0.1', 54102)

peer/serv - request :  b''

chosen_server :  0

Got connection from ip: ('127.0.0.1', 54112)
```
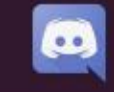
Activities   Terminator ▾   Jan 27 21:41

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
des_key :  7ea5de8c21af17b81c5ea5a3


uuid :  61f705d6-60b9-11eb-bc2f-f9f6d38e3cc7
des_key :  8dbd37803f8f6f8a44699713


('127.0.0.1', 58072)  :  True [0, "['create', 'y', '127.0.0.38', 50038, 'd']"]
('127.0.0.1', 58078)  :  True [0, "['signup', 'e', 'e', '127.0.0.34', 50034]"]
('127.0.0.1', 58084)  :  True [0, "['signin', 'e', 'e']"]
('127.0.0.1', 58092)  :  True [0, "['signin', 'f', 'f']"]
('127.0.0.1', 58110)  :  True [0, "['SEND', 'b']"]
('127.0.0.1', 58122)  :  True [0, "['join', 'x', '127.0.0.36', 50036, 'c']"]
('127.0.0.1', 58168)  :  True [0, "['SEND', 'd']"]
^CTraceback (most recent call last):
  File "server.py", line 243, in <module>
    main()
  File "server.py", line 239, in main
    startServer(serv_ip, int(serv_port))
  File "server.py", line 194, in startServer
    client_sock, addr = s.accept()
  File "/usr/lib/python3.8/socket.py", line 292, in accept
    fd, addr = self._accept()
KeyboardInterrupt
nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_202020108
3_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 server.py 127.0.0.49:55004
socket created
Bind info : 127.0.0.49:55004
Listen success


uuid :  bb182362-60b8-11eb-bc2f-f9f6d38e3cc7
des_key :  82af79caa8be379e25fb440c


('127.0.0.1', 46292)  :  True [0, "['signin', 'a', 'wrongpassword']"]
('127.0.0.1', 46304)  :  True [0, "['signup', 'a', 'existinguser', '127.0.0.32', 50032]"]
('127.0.0.1', 46308)  :  True [0, "['signup', 'b', 'b', '127.0.0.32', 50032]"]
('127.0.0.1', 46314)  :  True [0, "['signin', 'b', 'b']"]
('127.0.0.1', 46318)  :  True [0, "['signup', 'c', 'c', '127.0.0.36', 50036]"]
('127.0.0.1', 46392)  :  True [0, "['create', 'x', '127.0.0.30', 50030, 'a']"]
('127.0.0.1', 46400)  :  True [0, "['join', 'x', '127.0.0.32', 50032, 'b']"]
('127.0.0.1', 46462)  :  True [0, "['join', 'x', '127.0.0.40', 50040, 'f']"]
('127.0.0.1', 46466)  :  True [0, "['SEND', 'a']"]
('127.0.0.1', 46510)  :  True [0, "['join', 'y', '127.0.0.40', 50040, 'f']"]
('127.0.0.1', 46514)  :  True [0, "['SEND', 'd']"]
('127.0.0.1', 46528)  :  True [0, "['join', 'y', '127.0.0.34', 50034, 'e']"]
('127.0.0.1', 46592)  :  True [0, "['join', 'y', '127.0.0.32', 50032, 'b']"]
('127.0.0.1', 46598)  :  True [0, "['SEND', 'd']"]
```

```
⊞ 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_202020108
3_assign_1/py files$ python3 server.py 127.0.0.45:55000
socket created
Bind info : 127.0.0.45:55000
Listen success


uuid :  baac9732-60b8-11eb-bc2f-f9f6d38e3cc7
des_key :  c69d870a6398081de452a775


uuid :  bbc28ec4-60b8-11eb-bc2f-f9f6d38e3cc7
des_key :  8acce5f9335258a0bd3d847d


('127.0.0.1', 34746)  :  True [0, "['signup', 'd', 'd', '127.0.0.38', 50038]"]
('127.0.0.1', 34786)  :  True [0, "['signup', 'f', 'f', '127.0.0.40', 50040]"]
('127.0.0.1', 34828)  :  True [0, "['SEND', 'f']"]
('127.0.0.1', 34874)  :  True [0, "['SEND', 'f']"]
('127.0.0.1', 34942)  :  True [0, "['SEND', 'e']"]
```

```
⊞ nisarg@nisarg-Alienware-A51m: ~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083_assign_1/py files 1
Got connection from ip: ('127.0.0.1', 54132)

peer/serv - request :  b"['bbc28ec4-60b8-11eb-bc2f-f9f6d38e3cc7', b'[\\xe4F\\x1d\\x9cg9~q\\xc9 \\x8d%
\\xff\\xb1S\\xec\\x84\\x99\\xf4x$-\\x19']"

chosen_server :  1

chosen_server :  1

Serv - response :  b'\xfb\x194I\xc1\xb0\xc0\x8b\x91\x80\xad\x99T\xce\x06\xaaf\x97!\x915n\xa0I,\xe9v\x
c0j\xb2\xf1#\xe4\x15\x87?s\x0ekE'


Got connection from ip: ('127.0.0.1', 54144)

peer/serv - request :  b"['bbc28ec4-60b8-11eb-bc2f-f9f6d38e3cc7', b'[\\xe4F\\x1d\\x9cg9~\\xb0\\xf2\\x
eaT\\xe7\\x89\\x0b\\xe7\\xec\\x84\\x99\\xf4x$-\\x19']"

chosen_server :  0

Serv - response :  b'\xf4\xe4\xc4\x9b\x0f\x86\xc4[\x91\x80\xad\x99T\xce\x06\xaa\xaa\x8f\xf3\xf1\x05L\
xe9\xb0\xa7/k\x8c\xb5|\x11\x8b\xe4\x15\x87?s\x0ekE'

peer/serv - request :  b''
```

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

```
des_key :  7ea5de8c21af17b81c5ea5a3


uuid : 61f705d6-60b9-11eb-bc2f-f9f6d38e3cc7
des_key :  8dbd37803f8f6f8a44699713


('127.0.0.1', 58072)  :  True [0, "['create', 'y', '127.0.0.38', 50038, 'd']"]
('127.0.0.1', 58078)  :  True [0, "['signup', 'e', 'e', '127.0.0.34', 50034]"]
('127.0.0.1', 58084)  :  True [0, "['signin', 'e', 'e']"]
('127.0.0.1', 58092)  :  True [0, "['signin', 'f', 'f']"]
('127.0.0.1', 58110)  :  True [0, "[SEND, 'b']"]
('127.0.0.1', 58122)  :  True [0, "['join', 'x', '127.0.0.36', 50036, 'c']"]
('127.0.0.1', 58168)  :  True [0, "[SEND, 'd']"]
^CTraceback (most recent call last):
  File "server.py", line 243, in <module>
    main()
  File "server.py", line 239, in main
    startServer(serv_ip, int(serv_port))
  File "server.py", line 194, in startServer
    client_sock, addr = s.accept()
  File "/usr/lib/python3.8/socket.py", line 292, in accept
    fd, addr = self._accept()
KeyboardInterrupt
nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_202020108
3_assign_1/py files$
```

```
nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_202020108
3_assign_1/py files$ python3 server.py 127.0.0.45:55000
socket created
Bind info : 127.0.0.45:55000
Listen success


uuid : baac9732-60b8-11eb-bc2f-f9f6d38e3cc7
des_key :  c69d870a6398081de452a775


uuid : bbc28ec4-60b8-11eb-bc2f-f9f6d38e3cc7
des_key :  8acce5f9335258a0bd3d847d


('127.0.0.1', 34746)  :  True [0, "['signup', 'd', 'd', '127.0.0.38', 50038]"]
('127.0.0.1', 34786)  :  True [0, "['signup', 'f', 'f', '127.0.0.40', 50040]"]
('127.0.0.1', 34828)  :  True [0, "[SEND, 'f']"]
('127.0.0.1', 34874)  :  True [0, "[SEND, 'f']"]
('127.0.0.1', 34942)  :  True [0, "[SEND, 'e']"]
```

```
nisarg@nisarg-Alienware-A51m:~/data/assignments/sns/a1/24_2020201041_2020201060_2020202012_2020201083
_assign_1/py files$ python3 server.py 127.0.0.49:55004
socket created
Bind info : 127.0.0.49:55004
Listen success


uuid :  bb182362-60b8-11eb-bc2f-f9f6d38e3cc7
des_key :  82af79caa8be379e25fb440c


('127.0.0.1', 46292)  :  True [0, "['signin', 'a', 'wrongpassword']"]
('127.0.0.1', 46304)  :  True [0, "['signup', 'a', 'existinguser', '127.0.0.32', 50032]"]
('127.0.0.1', 46308)  :  True [0, "['signup', 'b', 'b', '127.0.0.32', 50032]"]
('127.0.0.1', 46314)  :  True [0, "['signin', 'b', 'b']"]
('127.0.0.1', 46318)  :  True [0, "['signup', 'c', 'c', '127.0.0.36', 50036]"]
('127.0.0.1', 46392)  :  True [0, "['create', 'x', '127.0.0.30', 50030, 'a']"]
('127.0.0.1', 46400)  :  True [0, "['join', 'x', '127.0.0.32', 50032, 'b']"]
('127.0.0.1', 46462)  :  True [0, "['join', 'x', '127.0.0.40', 50040, 'f']"]
('127.0.0.1', 46466)  :  True [0, "[SEND, 'a']"]
('127.0.0.1', 46510)  :  True [0, "['join', 'y', '127.0.0.40', 50040, 'f']"]
('127.0.0.1', 46514)  :  True [0, "[SEND, 'd']"]
('127.0.0.1', 46528)  :  True [0, "['join', 'y', '127.0.0.34', 50034, 'e']"]
('127.0.0.1', 46592)  :  True [0, "['join', 'y', '127.0.0.32', 50032, 'b']"]
('127.0.0.1', 46598)  :  True [0, "[SEND, 'd']"]
```

```
c0j\xb2\xf1#\xe4\x15\x87?s\x0ekE'


Got connection from ip: ('127.0.0.1', 54144)


peer/serv - request : b"['bbc28ec4-60b8-11eb-bc2f-f9f6d38e3cc7', b'[\\xe4F\\x1d\\x9cg9~\\xb0\\xf2\\x
eaT\\xe7\\x89\\x0b\\xe7\\xec\\x84\\x99\\xf4x$-\\x19']"


chosen_server : 0


Serv - response :  b'\xf4\xe4\xc4\x9b\x0f\x86\xc4[\x91\x80\xad\x99T\xce\x06\xaa\xaa\x8f\xf3\xf1\x05L\
xe9\xb0\xa7/k\x8c\xb5|\x11\x8b\xe4\x15\x87?s\x0ekE'


peer/serv - request : b''


chosen_server : 0


Got connection from ip: ('127.0.0.1', 54154)


peer/serv - request : b''


chosen_server : 0


Got connection from ip: ('127.0.0.1', 54158)
```