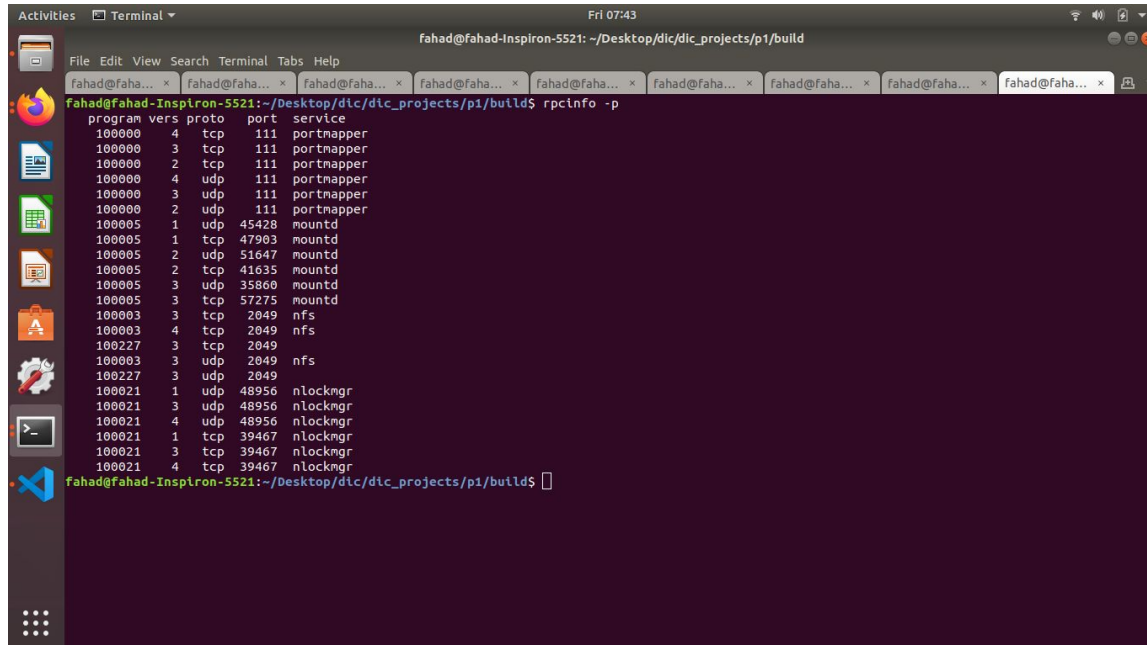


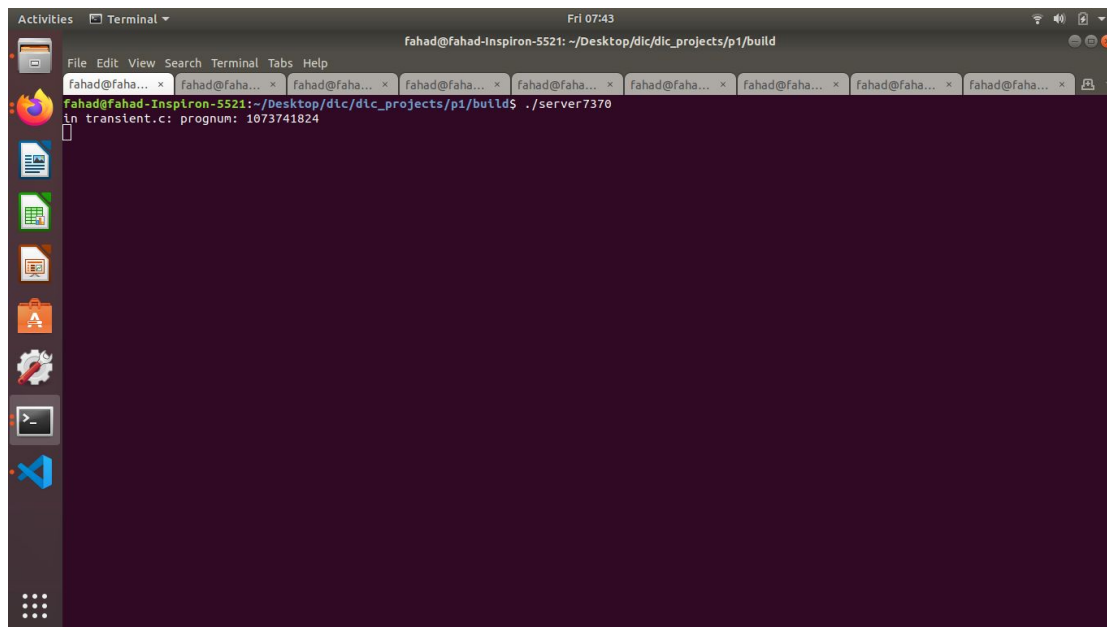
## DIC project (p1)

1. Instantiate one server s1, two whiteboards b1 and b2, and four clients.

i. S1:



```
Fahad@fahad-Inspiron-5521: ~/Desktop/dic/dic_projects/p1/build
Fahad@fahad-Inspiron-5521:~/Desktop/dic/dic_projects/p1/build$ rpcinfo -p
program vers proto port  service
100000    4      tcp    111    portmapper
100000    3      tcp    111    portmapper
100000    2      tcp    111    portmapper
100000    4      udp    111    portmapper
100000    3      udp    111    portmapper
100000    2      udp    111    portmapper
100005    1      udp    45428  mountd
100005    1      tcp    47903  mountd
100005    2      udp    51647  mountd
100005    2      tcp    41635  mountd
100005    3      udp    35860  mountd
100005    3      tcp    57275  mountd
100003    3      tcp    2049   nfs
100003    4      tcp    2049   nfs
100227    3      tcp    2049   nfs
100003    3      udp    2049   nfs
100227    3      udp    2049   nfs
100021    1      udp    48956  nlockmgr
100021    3      udp    48956  nlockmgr
100021    4      udp    48956  nlockmgr
100021    1      tcp    39467  nlockmgr
100021    3      tcp    39467  nlockmgr
100021    4      tcp    39467  nlockmgr
Fahad@fahad-Inspiron-5521:~/Desktop/dic/dic_projects/p1/build$
```



```
Fahad@fahad-Inspiron-5521: ~/Desktop/dic/dic_projects/p1/build
Fahad@fahad-Inspiron-5521:~/Desktop/dic/dic_projects/p1/build$ ./server7370
in transient.c: prognum: 1073741824
Fahad@fahad-Inspiron-5521:~/Desktop/dic/dic_projects/p1/build$
```

```
Activities Terminal Fri 07:44
fahad@fahad-Inspiron-5521: ~/Desktop/dic/dic_projects/p1/build

fahad@fahad-Inspiron-5521:~/Desktop/dic/dic_projects/p1/build$ rpcinfo -p
program vers proto port service
100000 4 tcp 111 portmapper
100000 3 tcp 111 portmapper
100000 2 tcp 111 portmapper
100000 4 udp 111 portmapper
100000 3 udp 111 portmapper
100000 2 udp 111 portmapper
100005 1 udp 45428 mountd
100005 1 tcp 47903 mountd
100005 2 udp 51647 mountd
100005 2 tcp 41635 mountd
100005 3 udp 35860 mountd
100005 3 tcp 57275 mountd
100003 3 tcp 2049 nfs
100003 4 tcp 2049 nfs
100227 3 tcp 2049
100003 3 udp 2049 nfs
100227 3 udp 2049
100021 1 udp 48956 nlockmgr
100021 3 udp 48956 nlockmgr
100021 4 udp 48956 nlockmgr
100021 1 tcp 39467 nlockmgr
100021 3 tcp 39467 nlockmgr
100021 4 tcp 39467 nlockmgr
1073741824 1 udp 57107
1073741824 1 tcp 52911
fahad@fahad-Inspiron-5521:~/Desktop/dic/dic_projects/p1/build$
```

ii. B1 and B2 with 4 clients:

```
Activities Terminal Fri 07:46
fahad@fahad-Inspiron-5521: ~/Desktop/dic/dic_projects/p1/build

fahad@fahad-Inspiron-5521:~/Desktop/dic/dic_projects/p1/build$ ./client7370 localhost 40000000 b1 localhost 0 &
[1] 11114
fahad@fahad-Inspiron-5521:~/Desktop/dic/dic_projects/p1/build$ in_transient.c: prognum: 1073741825
startclient(1073741825, 1, localhost, 1073741824, b1, localhost, 0)

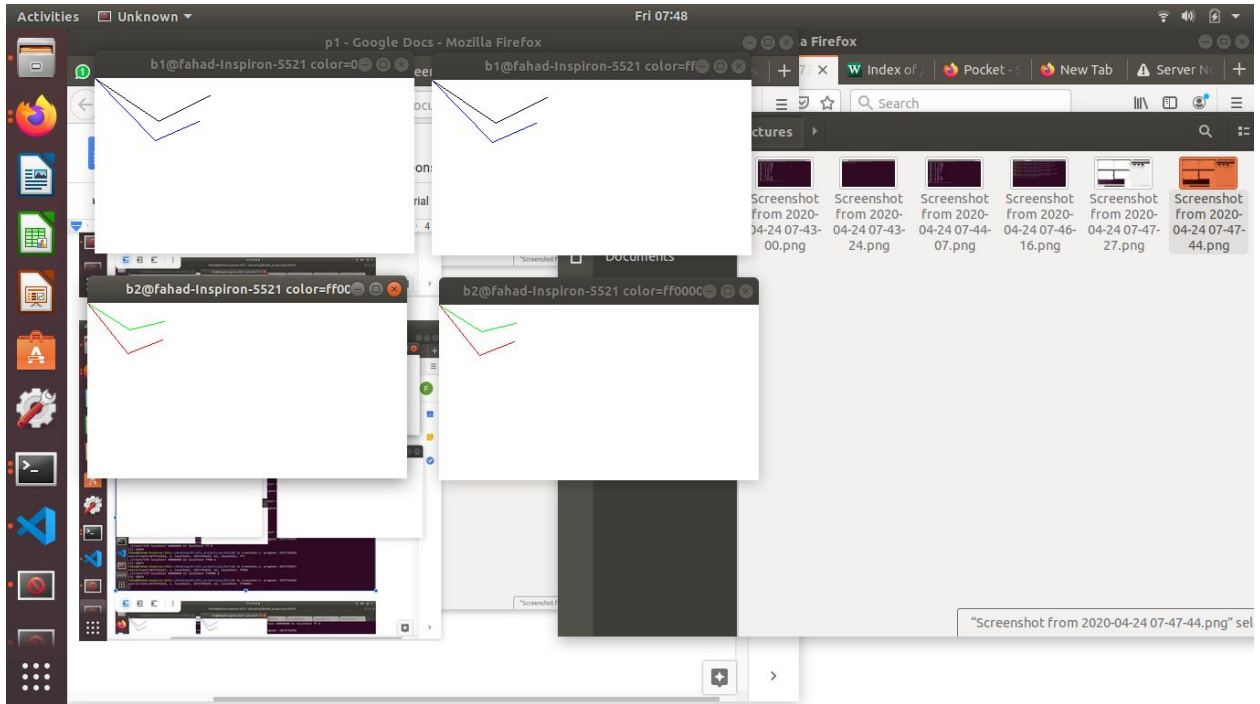
fahad@fahad-Inspiron-5521:~/Desktop/dic/dic_projects/p1/build$ ./client7370 localhost 40000000 b1 localhost ff &
[2] 11120
fahad@fahad-Inspiron-5521:~/Desktop/dic/dic_projects/p1/build$ in_transient.c: prognum: 1073741826
startclient(1073741826, 1, localhost, 1073741824, b1, localhost, ff)

fahad@fahad-Inspiron-5521:~/Desktop/dic/dic_projects/p1/build$ ./client7370 localhost 40000000 b2 localhost ff00 &
[3] 11123
fahad@fahad-Inspiron-5521:~/Desktop/dic/dic_projects/p1/build$ in_transient.c: prognum: 1073741827
startclient(1073741827, 1, localhost, 1073741824, b2, localhost, ff00)

fahad@fahad-Inspiron-5521:~/Desktop/dic/dic_projects/p1/build$ ./client7370 localhost 40000000 b2 localhost ff0000 &
[4] 11137
fahad@fahad-Inspiron-5521:~/Desktop/dic/dic_projects/p1/build$ in_transient.c: prognum: 1073741828
startclient(1073741828, 1, localhost, 1073741824, b2, localhost, ff0000)

fahad@fahad-Inspiron-5521:~/Desktop/dic/dic_projects/p1/build$
```





2. Use as many hosts as possible. For C+RPC, use at least two different CPU types, if possible.
3. Click a few lines in each drawlines-window to show that the "original" functionality is still present.
2. Start a new server s2 on a new host. Add a whiteboard b3 with one client to s2. Do 1.2 again.
  1. S2:

```
Activities Terminal Fri 07:50
fahad@fahad-Inspiron-5521: ~/Desktop/dic_projects/p1/build

fahad@fahad-Inspiron-5521:~/Desktop/dic_projects/p1/build$ rpcinfo -p
program vers proto port service
100000 4 tcp 111 portmapper
100000 3 tcp 111 portmapper
100000 2 tcp 111 portmapper
100000 4 udp 111 portmapper
100000 3 udp 111 portmapper
100000 2 udp 111 portmapper
100005 1 udp 45428 mountd
100005 1 tcp 47903 mountd
100005 2 udp 51647 mountd
100005 2 tcp 41635 mountd
100005 3 udp 35860 mountd
100005 3 tcp 57275 mountd
100003 3 tcp 2049 nfs
100003 4 tcp 2049 nfs
100227 3 tcp 2049
100003 3 udp 2049 nfs
100227 3 udp 2049
100021 1 udp 48956 nlockmgr
100021 3 udp 48956 nlockmgr
100021 4 udp 48956 nlockmgr
100021 1 tcp 39467 nlockmgr
100021 3 tcp 39467 nlockmgr
100021 4 tcp 39467 nlockmgr
1073741824 1 udp 34328
1073741824 1 tcp 46433
1073741825 1 udp 38661
1073741825 1 tcp 57261
1073741826 1 udp 43087
1073741826 1 tcp 37315
1073741827 1 udp 60652
1073741827 1 tcp 59353
1073741828 1 udp 45950
1073741828 1 tcp 43539
fahad@fahad-Inspiron-5521:~/Desktop/dic_projects/p1/build$
```

```
Activities Terminal Fri 07:50
fahad@fahad-Inspiron-5521: ~/Desktop/dic_projects/p1/build

fahad@fahad-Inspiron-5521:~/Desktop/dic_projects/p1/build$ ./wbadmin7370 -n 127.0.0.1 40000000 127.0.0.1
prgn 40000000
result 1073741829
fahad@fahad-Inspiron-5521:~/Desktop/dic_projects/p1/build$
```




```
Activities Terminal Fri 07:51
fahad@fahad-Inspiron-5521: ~/Desktop/dic/dic_projects/p1/build

program vers proto port service
100000 4 tcp 111 portmapper
100000 3 tcp 111 portmapper
100000 2 tcp 111 portmapper
100000 4 udp 111 portmapper
100000 3 udp 111 portmapper
100000 2 udp 111 portmapper
100005 1 udp 45428 mountd
100005 1 tcp 47903 mountd
100005 2 udp 51647 mountd
100005 2 tcp 41635 mountd
100005 3 udp 35860 mountd
100005 3 tcp 57275 mountd
100003 3 tcp 2049 nfs
100003 4 tcp 2049 nfs
100227 3 tcp 2049
100003 3 udp 2049 nfs
100227 3 udp 2049
100021 1 udp 48956 nlockmgr
100021 3 udp 48956 nlockmgr
100021 4 udp 48956 nlockmgr
100021 1 tcp 39467 nlockmgr
100021 3 tcp 39467 nlockmgr
100021 4 tcp 39467 nlockmgr
1073741824 1 udp 34328
1073741824 1 tcp 46433
1073741825 1 udp 38661
1073741825 1 tcp 57261
1073741826 1 udp 43087
1073741826 1 tcp 37315
1073741827 1 udp 60652
1073741827 1 tcp 59353
1073741828 1 udp 45950
1073741828 1 tcp 43539
1073741829 1 udp 53072
1073741829 1 tcp 43389
fahad@fahad-Inspiron-5521:~/Desktop/dic/dic_projects/p1/build$
```

## 2. B3 and adding a client to B3:

```
Activities Unknown Fri 07:52
fahad@fahad-Inspiron-5521: ~/Desktop/dic/dic_projects/p1/build

fahad@fahad-Inspiron-5521:~/Desktop/dic/dic_projects/p1/build$ ./client7370 localhost 40000005 b3 localhost ff00ff &
[S] 11295
fahad@fahad-Inspiron-5521:~/Desktop/dic/dic_projects/p1/build$ in transient.c: prognum: 1073741830
startclient(1073741830, 1, localhost, 1073741829, b3, localhost, ff00ff)
fahad@fahad-Inspiron-5521:~/Desktop/dic/dic_projects/p1/build$
```



## 3. Add a new client to each of the existing whiteboards. Do 1.2 again.

Activities Terminal Fri 07:55

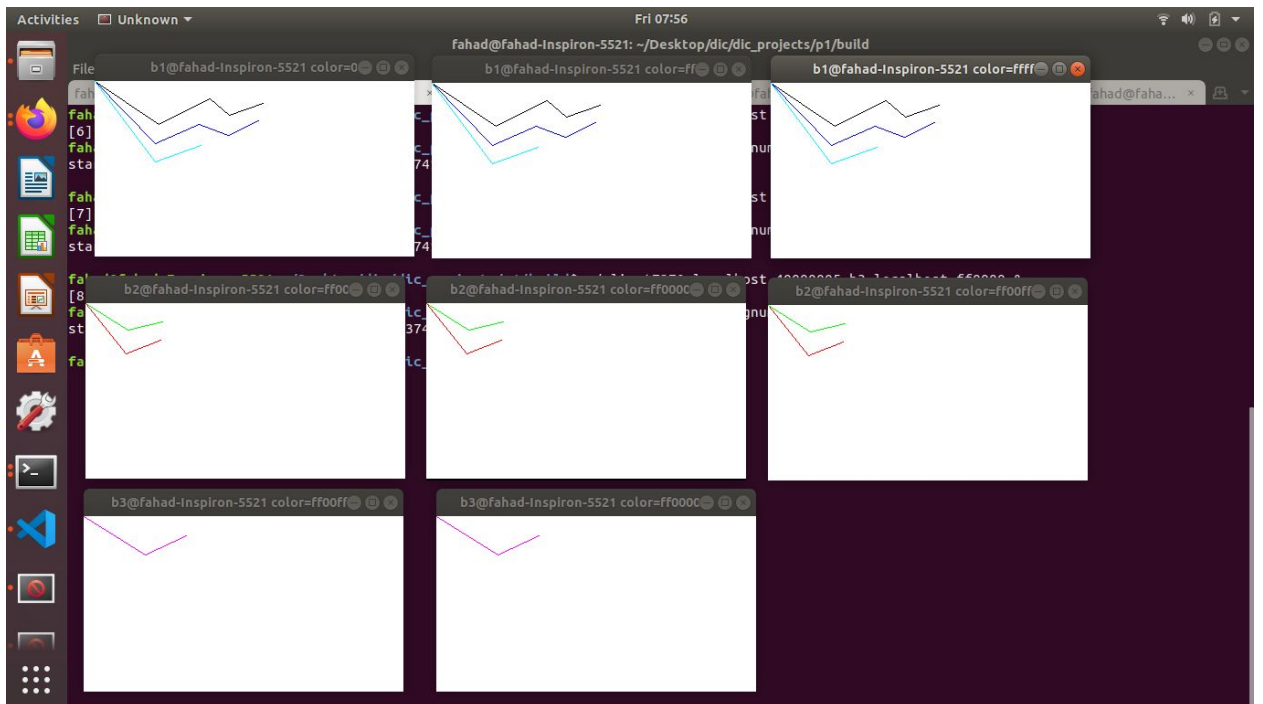
fahad@fahad-Inspiron-5521: ~/Desktop/dic/dic\_projects/p1/build

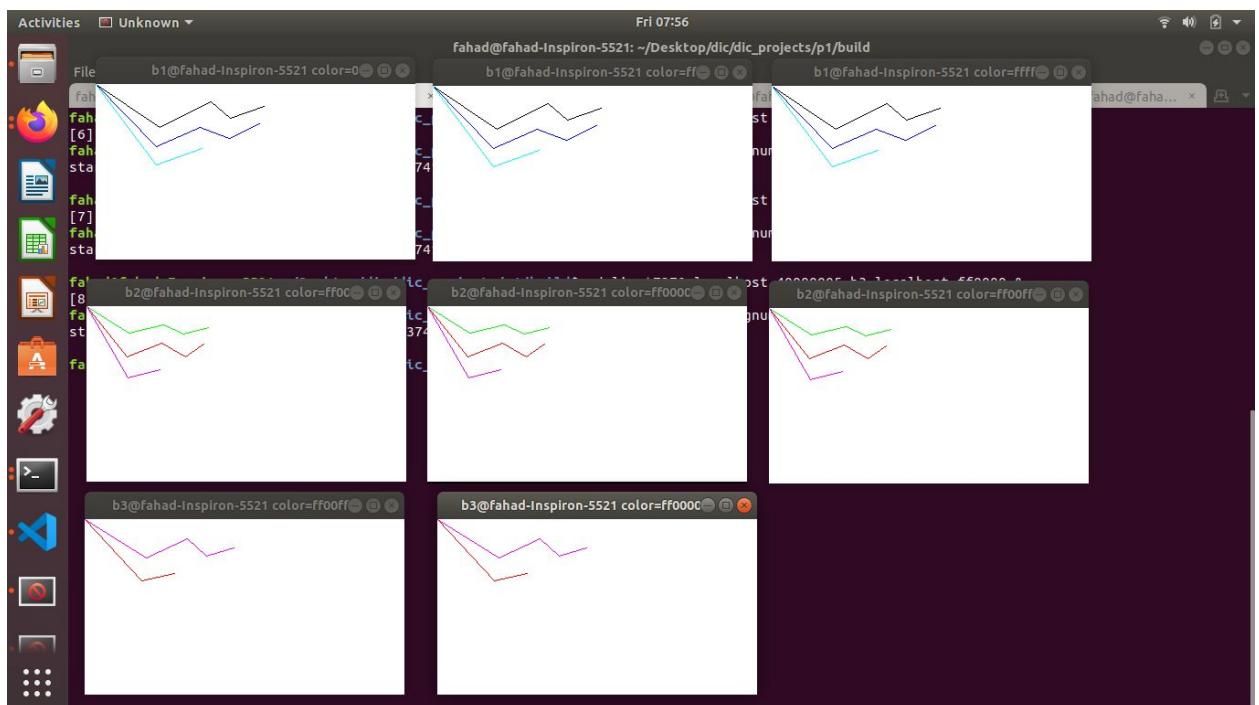
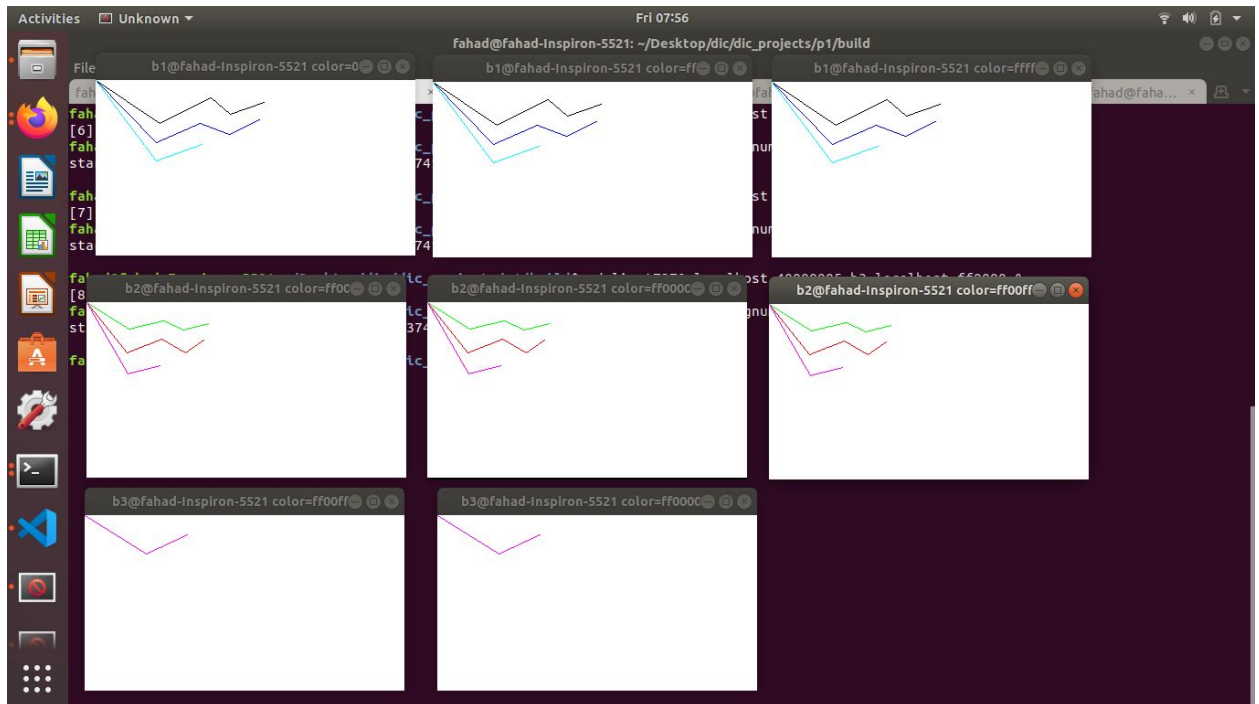
```
fahad@fahad-Inspiron-5521:~/Desktop/dic/dic_projects/p1/build$ ./client7370 localhost 40000000 b1 localhost ffff &
[6] 11337
fahad@fahad-Inspiron-5521:~/Desktop/dic/dic_projects/p1/build$ in transient.c: prognum: 1073741831
startclient(1073741831, 1, localhost, 1073741824, b1, localhost, ffff)

fahad@fahad-Inspiron-5521:~/Desktop/dic/dic_projects/p1/build$ ./client7370 localhost 40000000 b2 localhost ff00ff &
[7] 11341
fahad@fahad-Inspiron-5521:~/Desktop/dic/dic_projects/p1/build$ in transient.c: prognum: 1073741832
startclient(1073741832, 1, localhost, 1073741824, b2, localhost, ff00ff)

fahad@fahad-Inspiron-5521:~/Desktop/dic/dic_projects/p1/build$ ./client7370 localhost 40000005 b3 localhost ff0000 &
[8] 11346
fahad@fahad-Inspiron-5521:~/Desktop/dic/dic_projects/p1/build$ in transient.c: prognum: 1073741833
startclient(1073741833, 1, localhost, 1073741829, b3, localhost, ff0000)

fahad@fahad-Inspiron-5521:~/Desktop/dic/dic_projects/p1/build$
```





4. Transfer b2 (and all clients on it) to s2. Do 1.2 again. Show what is where.



```
Activities Terminal Fri 07:59
fahad@fahad-Inspiron-5521: ~/Desktop/dic/dic_projects/p1/build

fahad@fahad-Inspiron-5521:~/Desktop/dic/dic_projects/p1/build$ ./wbadmin7370 -q 127.0.0.1 40000000
prgn 40000000
Board b2 on server 127.0.0.1 prognum 40000000 has:
  client on server fahad-Inspiron-5521 displayed at localhost:0.0 with prognum 40000008
  client on server fahad-Inspiron-5521 displayed at localhost:0.0 with prognum 40000004
  client on server fahad-Inspiron-5521 displayed at localhost:0.0 with prognum 40000003

  these are the lines on the board:
    16711935, 45, 80, 78, 69
    16711935, 0, 45, 0, 78
    16711680, 108, 128, 55, 41
    16711680, 82, 108, 40, 55
    65280, 106, 133, 30, 23
    65280, 84, 106, 20, 30
    16711680, 44, 82, 55, 40
    16711680, 0, 44, 0, 55
    65280, 46, 84, 29, 20
    65280, 0, 46, 0, 29
Board b1 on server 127.0.0.1 prognum 40000000 has:
  client on server fahad-Inspiron-5521 displayed at localhost:0.0 with prognum 40000007
  client on server fahad-Inspiron-5521 displayed at localhost:0.0 with prognum 40000002
  client on server fahad-Inspiron-5521 displayed at localhost:0.0 with prognum 40000001

  these are the lines on the board:
    65535, 66, 116, 88, 70
    65535, 0, 66, 0, 88
    255, 146, 179, 59, 43
    255, 114, 146, 47, 59
    0, 147, 184, 37, 24
    0, 126, 147, 19, 37
    255, 66, 114, 68, 47
    255, 0, 66, 0, 68
    0, 70, 126, 47, 19
    0, 0, 70, 0, 47

result 0
fahad@fahad-Inspiron-5521:~/Desktop/dic/dic_projects/p1/build$
```

```
Activities Terminal Fri 07:59
fahad@fahad-Inspiron-5521: ~/Desktop/dic/dic_projects/p1/build

fahad@fahad-Inspiron-5521:~/Desktop/dic/dic_projects/p1/build$ ./wbadmin7370 -q 127.0.0.1 40000005
prgn 40000005
Board b3 on server 127.0.0.1 prognum 40000005 has:
  client on server fahad-Inspiron-5521 displayed at localhost:0.0 with prognum 40000009
  client on server fahad-Inspiron-5521 displayed at localhost:0.0 with prognum 40000006

  these are the lines on the board:
    16711680, 62, 98, 67, 59
    16711680, 0, 62, 0, 67
    16711935, 133, 163, 40, 31
    16711935, 112, 133, 21, 40
    16711935, 67, 112, 42, 21
    16711935, 0, 67, 0, 42

result 0
fahad@fahad-Inspiron-5521:~/Desktop/dic/dic_projects/p1/build$
```

```
Activities Terminal Fri 08:00
fahad@fahad-Inspiron-5521: ~/Desktop/dic/dic_projects/p1/build
File Edit View Search Terminal Tabs Help
fahad@fahad-Inspiron-5521:~/Desktop/dic/dic_projects/p1/build$ ./wbadmin7370 -t 127.0.0.1 40000000 b2 127.0.0.1 40000005
prgn 40000000
transferboard in wbadmin: 1073741829 1 1 1073741829
result 0
fahad@fahad-Inspiron-5521:~/Desktop/dic/dic_projects/p1/build$
```

```
Activities Terminal Fri 08:00
fahad@fahad-Inspiron-5521: ~/Desktop/dic/dic_projects/p1/build
File Edit View Search Terminal Tabs Help
fahad@fahad-Inspiron-5521:~/Desktop/dic/dic_projects/p1/build$ ./wbadmin7370 -q 127.0.0.1 40000000
prgn 40000000
Board b1 on server 127.0.0.1 prognum 40000000 has:
client on server fahad-Inspiron-5521 displayed at localhost:0.0 with prognum 40000007
client on server fahad-Inspiron-5521 displayed at localhost:0.0 with prognum 40000002
client on server fahad-Inspiron-5521 displayed at localhost:0.0 with prognum 40000001

these are the lines on the board:
65535, 66, 116, 88, 70
65535, 0, 66, 0, 88
255, 146, 179, 59, 43
255, 114, 146, 47, 59
0, 147, 184, 37, 24
0, 126, 147, 19, 37
255, 66, 114, 68, 47
255, 0, 66, 0, 68
0, 70, 126, 47, 19
0, 0, 70, 0, 47

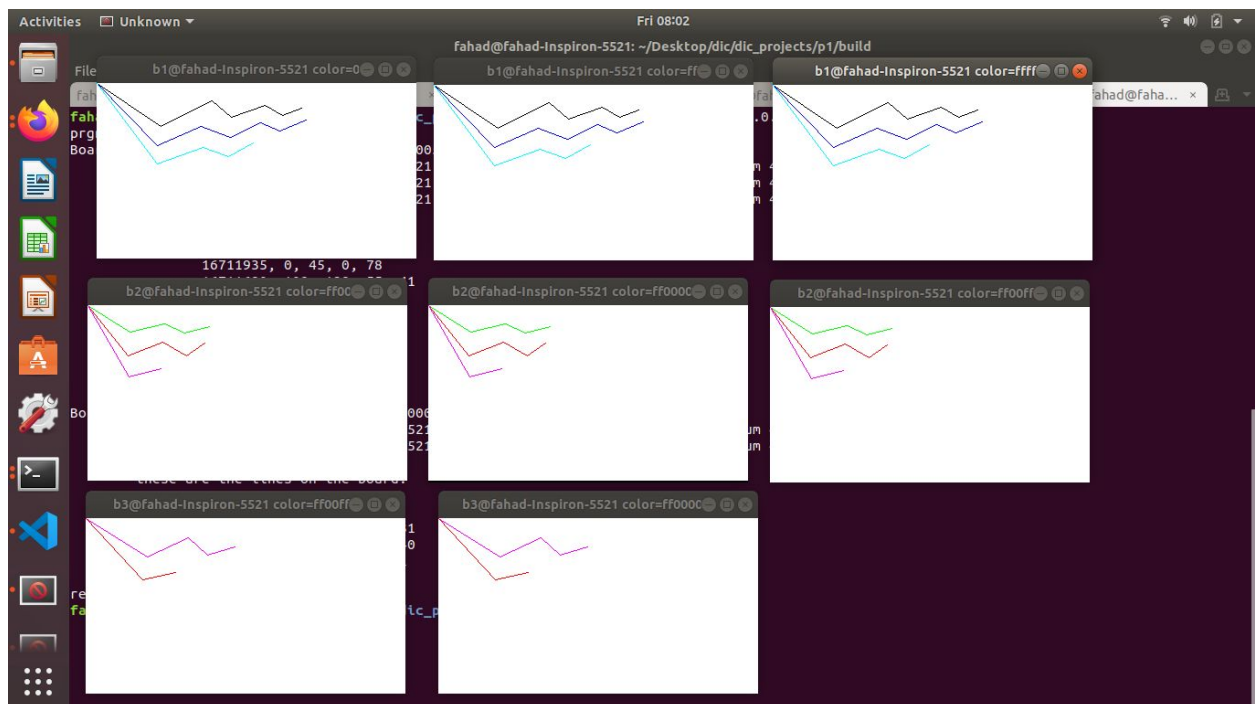
result 0
fahad@fahad-Inspiron-5521:~/Desktop/dic/dic_projects/p1/build$
```

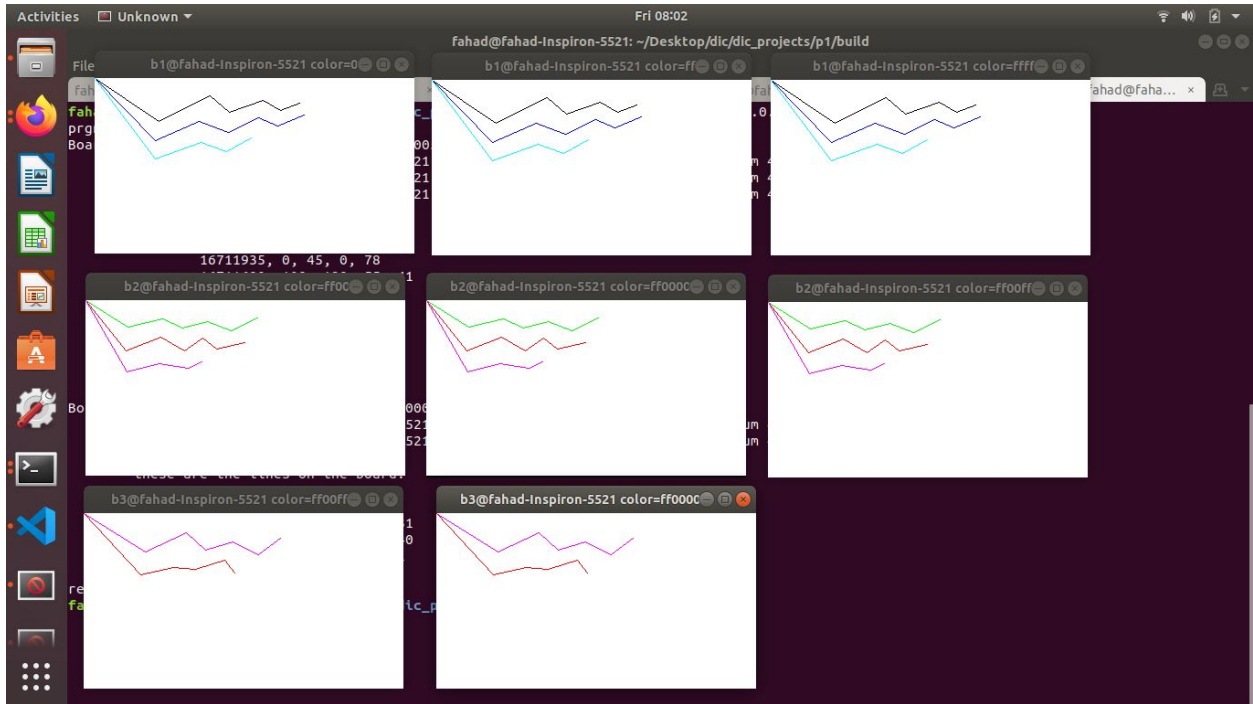
```
Activities Terminal Fri 08:01
fahad@fahad-Inspiron-5521: ~/Desktop/dic_projects/p1/build

fahad@fahad-Inspiron-5521:~/Desktop/dic_projects/p1/build$ ./wbadmin7370 -q 127.0.0.1 40000005
prgn 40000005
Board b2 on server 127.0.0.1 prognum 40000005 has:
  client on server fahad-Inspiron-5521 displayed at localhost:0.0 with prognum 40000008
  client on server fahad-Inspiron-5521 displayed at localhost:0.0 with prognum 40000004
  client on server fahad-Inspiron-5521 displayed at localhost:0.0 with prognum 40000003

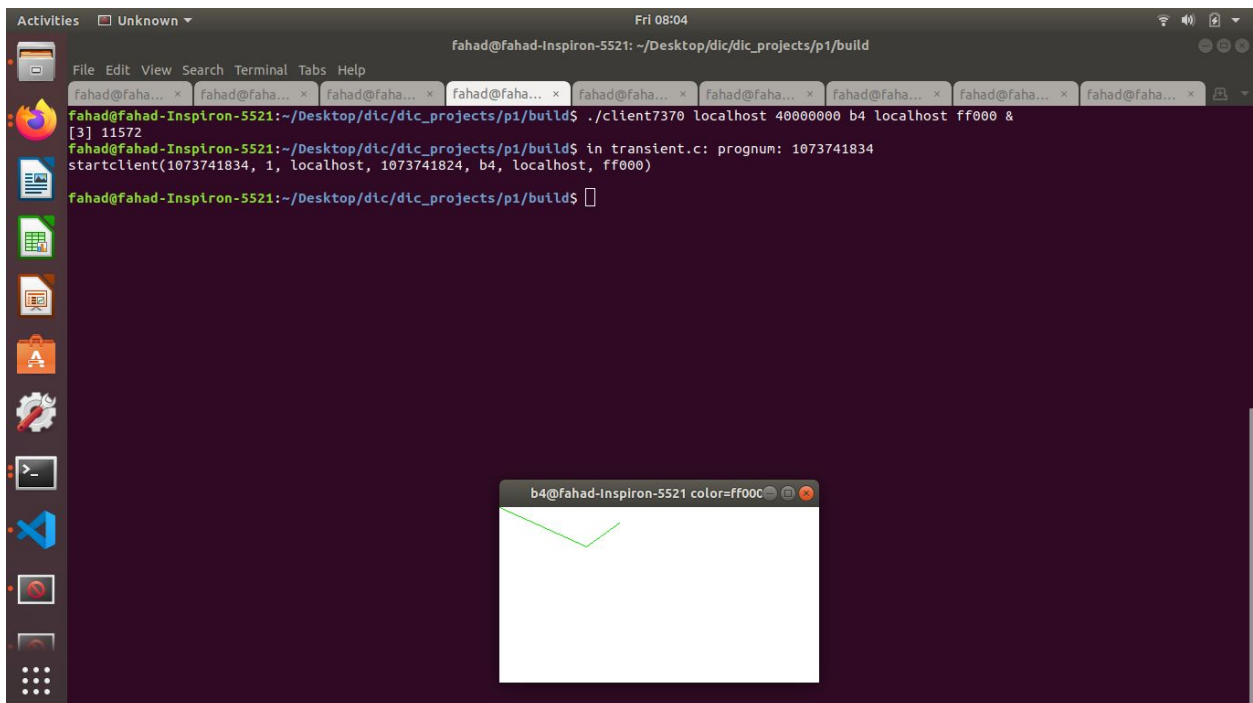
  these are the lines on the board:
    16711935, 45, 80, 78, 69
    16711935, 0, 45, 0, 78
    16711680, 108, 128, 55, 41
    16711680, 82, 108, 40, 55
    65280, 106, 133, 30, 23
    65280, 84, 106, 20, 30
    16711680, 44, 82, 55, 40
    16711680, 0, 44, 0, 55
    65280, 46, 84, 29, 20
    65280, 0, 46, 0, 29
Board b3 on server 127.0.0.1 prognum 40000005 has:
  client on server fahad-Inspiron-5521 displayed at localhost:0.0 with prognum 40000009
  client on server fahad-Inspiron-5521 displayed at localhost:0.0 with prognum 40000006

  these are the lines on the board:
    16711680, 62, 98, 67, 59
    16711680, 0, 62, 0, 67
    16711935, 133, 163, 40, 31
    16711935, 112, 133, 21, 40
    16711935, 67, 112, 42, 21
    16711935, 0, 67, 0, 42
result 0
fahad@fahad-Inspiron-5521:~/Desktop/dic_projects/p1/build$
```





5. Add a new whiteboard b4 with just one client to server s1. Do 1.2 again.



6. Transfer b3 to s1. Transfer b4 to s2. Do 1.2 again. Show what is where.



```
Activities Terminal Fri 08:04
fahad@fahad-Inspiron-5521: ~/Desktop/dic/dic_projects/p1/build

fahad@fahad-Inspiron-5521:~/Desktop/dic/dic_projects/p1/build$ ./wbadmin7370 -q 127.0.0.1 40000000
prgn 40000000
Board b4 on server 127.0.0.1 prognum 40000000 has:
  client on server fahad-Inspiron-5521 displayed at localhost:0.0 with prognum 40000000

  these are the lines on the board:
    1044480, 95, 131, 43, 17
    1044480, 0, 95, 0, 43
Board b1 on server 127.0.0.1 prognum 40000000 has:
  client on server fahad-Inspiron-5521 displayed at localhost:0.0 with prognum 40000000
  client on server fahad-Inspiron-5521 displayed at localhost:0.0 with prognum 40000002
  client on server fahad-Inspiron-5521 displayed at localhost:0.0 with prognum 40000001

  these are the lines on the board:
    65535, 144, 171, 80, 65
    65535, 116, 144, 70, 80
    255, 200, 229, 52, 40
    255, 179, 200, 43, 52
    0, 203, 224, 35, 27
    0, 184, 203, 24, 35
    65535, 66, 116, 88, 70
    65535, 0, 66, 0, 88
    255, 146, 179, 59, 43
    255, 114, 146, 47, 59
    0, 147, 184, 37, 24
    0, 126, 147, 19, 37
    255, 66, 114, 68, 47
    255, 0, 66, 0, 68
    0, 70, 126, 47, 19
    0, 0, 70, 0, 47

result 0
fahad@fahad-Inspiron-5521:~/Desktop/dic/dic_projects/p1/build$
```

```
Activities Terminal Fri 08:05
fahad@fahad-Inspiron-5521: ~/Desktop/dic/dic_projects/p1/build

fahad@fahad-Inspiron-5521:~/Desktop/dic/dic_projects/p1/build$ ./wbadmin7370 -q 127.0.0.1 40000005
prgn 40000005
Board b2 on server 127.0.0.1 prognum 40000005 has:
  client on server fahad-Inspiron-5521 displayed at localhost:0.0 with prognum 40000008
  client on server fahad-Inspiron-5521 displayed at localhost:0.0 with prognum 40000004
  client on server fahad-Inspiron-5521 displayed at localhost:0.0 with prognum 40000003

  these are the lines on the board:
    16711935, 112, 127, 74, 67
    16711935, 80, 112, 69, 74
    16711680, 143, 174, 53, 46
    16711680, 128, 143, 41, 53
    65280, 159, 188, 33, 19
    65280, 133, 159, 23, 33
    16711935, 45, 80, 78, 69
    16711935, 0, 45, 0, 78
    16711680, 108, 128, 55, 41
    16711680, 82, 108, 40, 55
    65280, 106, 133, 30, 23
    65280, 84, 106, 20, 30
    16711680, 44, 82, 55, 40
    16711680, 0, 44, 0, 55
    65280, 46, 84, 29, 20
    65280, 0, 46, 0, 29
Board b3 on server 127.0.0.1 prognum 40000005 has:
  client on server fahad-Inspiron-5521 displayed at localhost:0.0 with prognum 40000009
  client on server fahad-Inspiron-5521 displayed at localhost:0.0 with prognum 40000006

  these are the lines on the board:
    16711680, 154, 165, 51, 65
    16711680, 122, 154, 61, 51
    16711680, 98, 122, 59, 61
    16711935, 191, 215, 45, 27
    16711935, 163, 191, 31, 45
    16711680, 62, 98, 67, 59
```



```
Activities Terminal Fri 08:05
fahad@fahad-Inspiron-5521: ~/Desktop/dic/dic_projects/p1/build
File Edit View Search Terminal Tabs Help
fahad@fahad-Inspiron-5521:~/Desktop/dic/dic_projects/p1/build$ ./wbadmin7370 -t 127.0.0.1 40000000 b4 127.0.0.1 40000005
prgn 40000000
transferboard in wbadmin: 1073741829 1 1 1073741829
result 0
fahad@fahad-Inspiron-5521:~/Desktop/dic/dic_projects/p1/build$
```

```
Activities Terminal Fri 08:06
fahad@fahad-Inspiron-5521: ~/Desktop/dic/dic_projects/p1/build
File Edit View Search Terminal Tabs Help
fahad@fahad-Inspiron-5521:~/Desktop/dic/dic_projects/p1/build$ ./wbadmin7370 -q 127.0.0.1 40000000
prgn 40000000
Board b1 on server 127.0.0.1 prognum 40000000 has:
client on server fahad-Inspiron-5521 displayed at localhost:0.0 with prognum 40000007
client on server fahad-Inspiron-5521 displayed at localhost:0.0 with prognum 40000002
client on server fahad-Inspiron-5521 displayed at localhost:0.0 with prognum 40000001

these are the lines on the board:
65535, 144, 171, 80, 65
65535, 116, 144, 70, 80
255, 200, 229, 52, 40
255, 179, 200, 43, 52
0, 203, 224, 35, 27
0, 184, 203, 24, 35
65535, 66, 116, 88, 70
65535, 0, 66, 0, 88
255, 146, 179, 59, 43
255, 114, 146, 47, 59
0, 147, 184, 37, 24
0, 126, 147, 19, 37
255, 66, 114, 68, 47
255, 0, 66, 0, 68
0, 70, 126, 47, 19
0, 0, 70, 0, 47

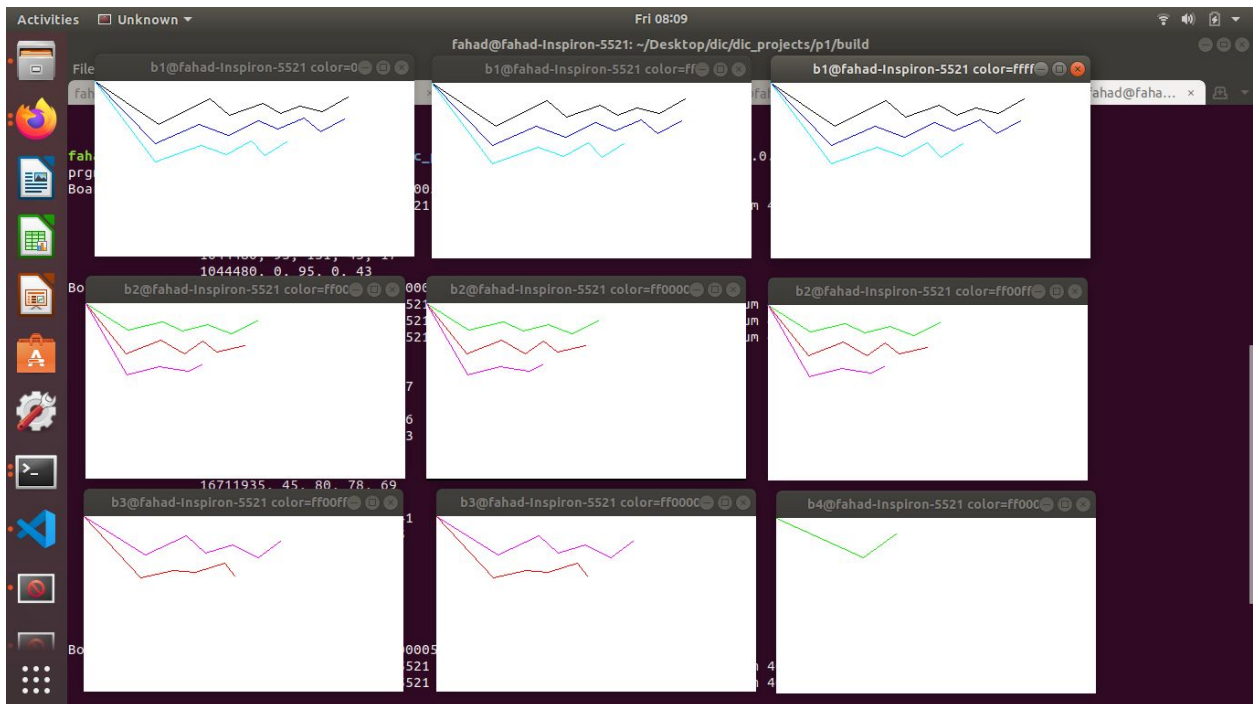
result 0
fahad@fahad-Inspiron-5521:~/Desktop/dic/dic_projects/p1/build$
```

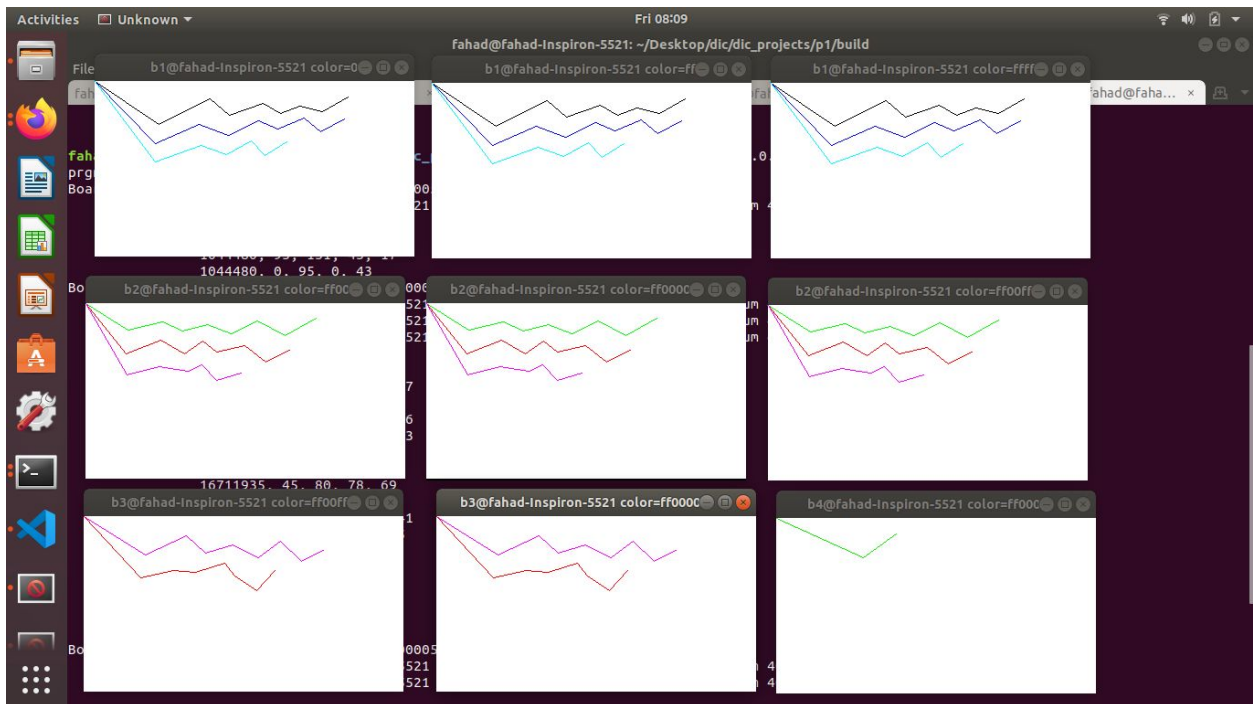
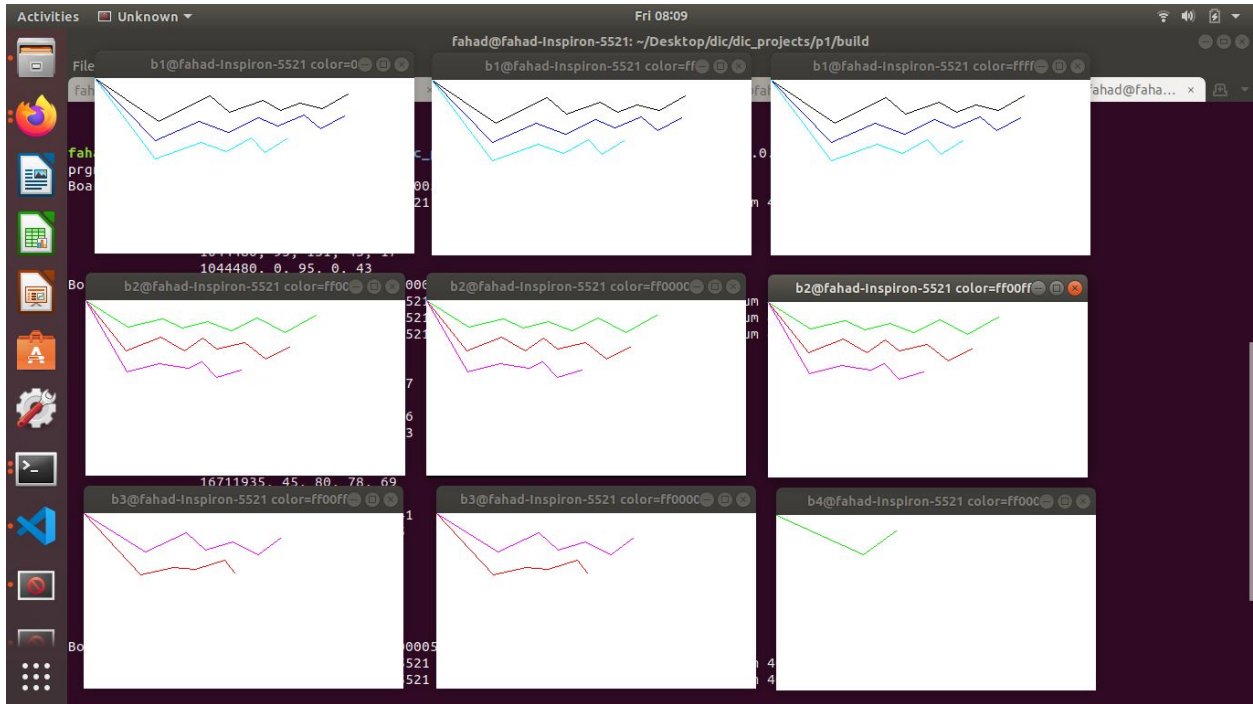
```
Activities Terminal Fri 08:07
fahad@fahad-Inspiron-5521: ~/Desktop/dic/dic_projects/p1/build

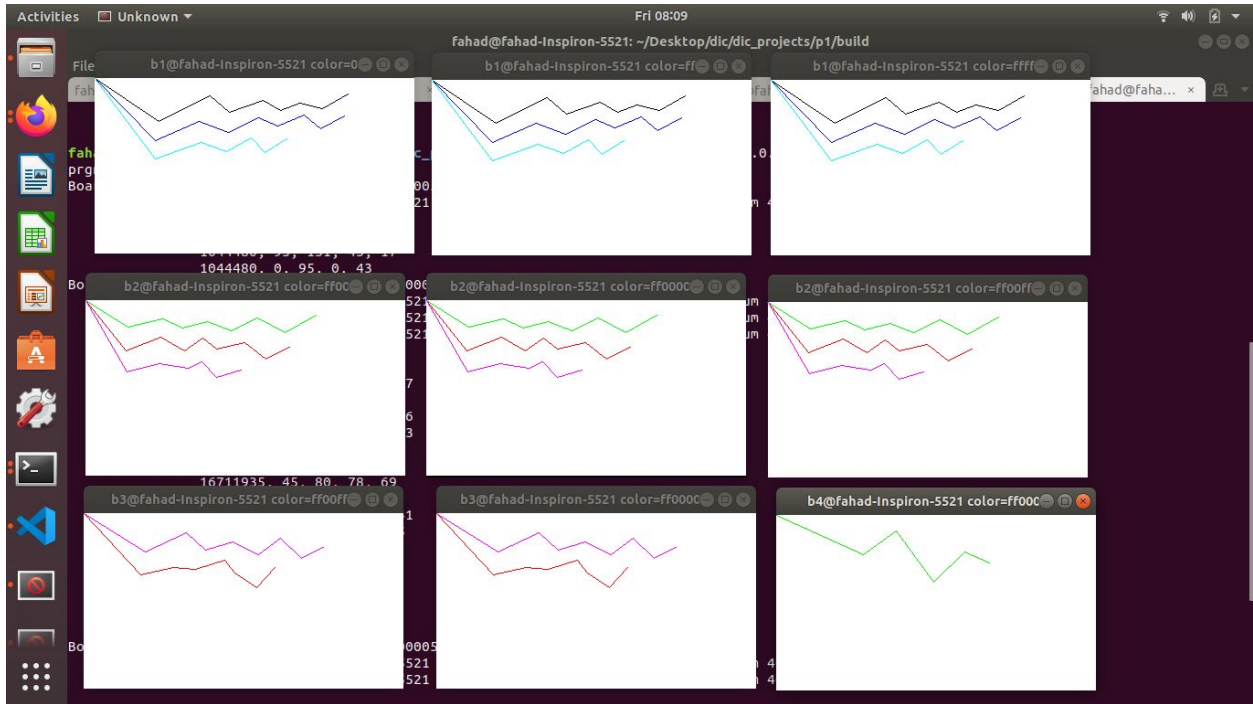
fahad@fahad-Inspiron-5521:~/Desktop/dic/dic_projects/p1/build$ ./wbadmin7370 -q 127.0.0.1 40000005
prgn 40000005
Board b4 on server 127.0.0.1 prognum 40000005 has:
  client on server fahad-Inspiron-5521 displayed at localhost:0.0 with prognum 4000000a

  these are the lines on the board:
    1044480, 95, 131, 43, 17
    1044480, 0, 95, 0, 43
Board b2 on server 127.0.0.1 prognum 40000005 has:
  client on server fahad-Inspiron-5521 displayed at localhost:0.0 with prognum 40000008
  client on server fahad-Inspiron-5521 displayed at localhost:0.0 with prognum 40000004
  client on server fahad-Inspiron-5521 displayed at localhost:0.0 with prognum 40000003

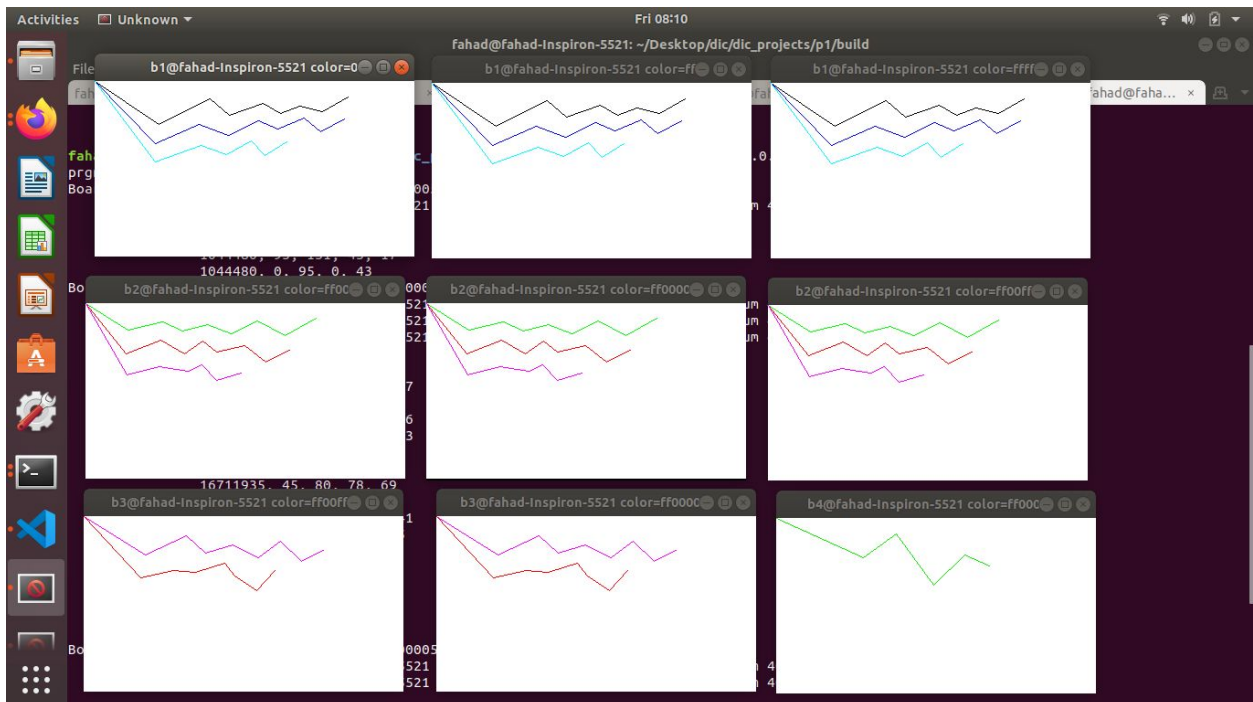
  these are the lines on the board:
    16711935, 112, 127, 74, 67
    16711935, 80, 112, 69, 74
    16711680, 143, 174, 53, 46
    16711680, 128, 143, 41, 53
    65280, 159, 188, 33, 19
    65280, 133, 159, 23, 33
    16711935, 45, 80, 78, 69
    16711935, 0, 45, 0, 78
    16711680, 108, 128, 55, 41
    16711680, 82, 108, 40, 55
    65280, 106, 133, 30, 23
    65280, 84, 106, 20, 30
    16711680, 44, 82, 55, 40
    16711680, 0, 44, 0, 55
    65280, 46, 84, 29, 20
    65280, 0, 46, 0, 29
Board b3 on server 127.0.0.1 prognum 40000005 has:
  client on server fahad-Inspiron-5521 displayed at localhost:0.0 with prognum 40000009
  client on server fahad-Inspiron-5521 displayed at localhost:0.0 with prognum 40000006
```



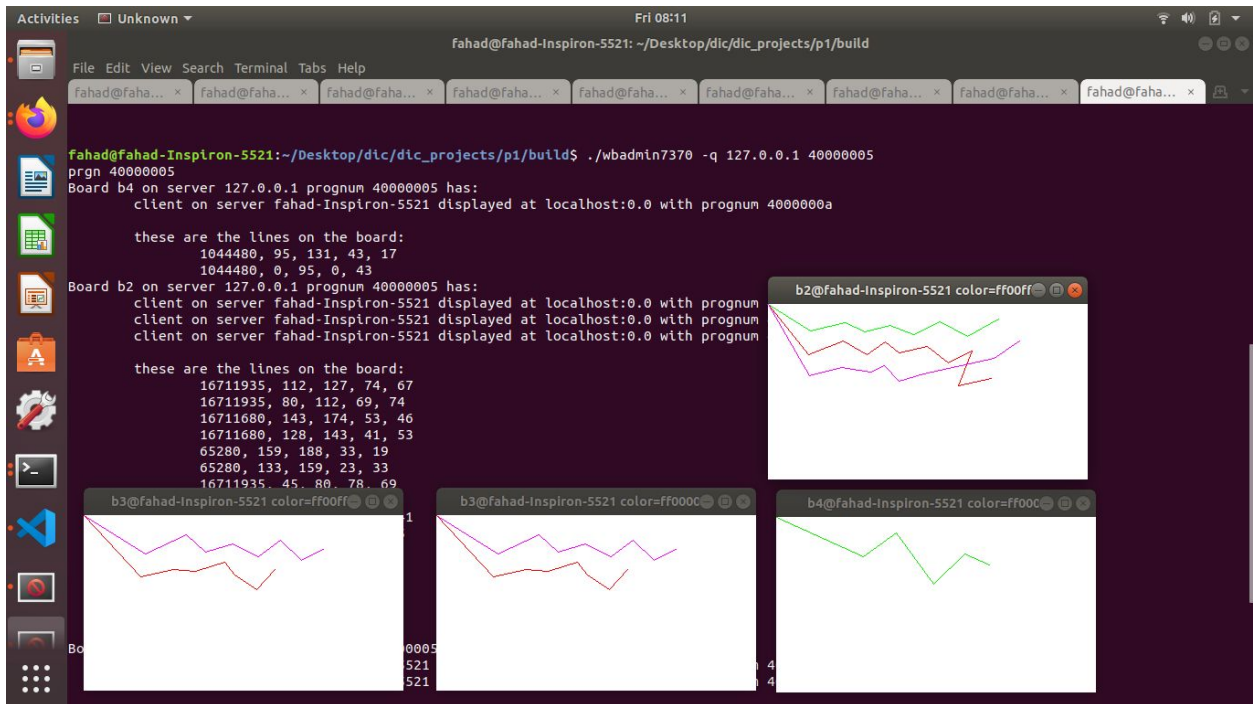
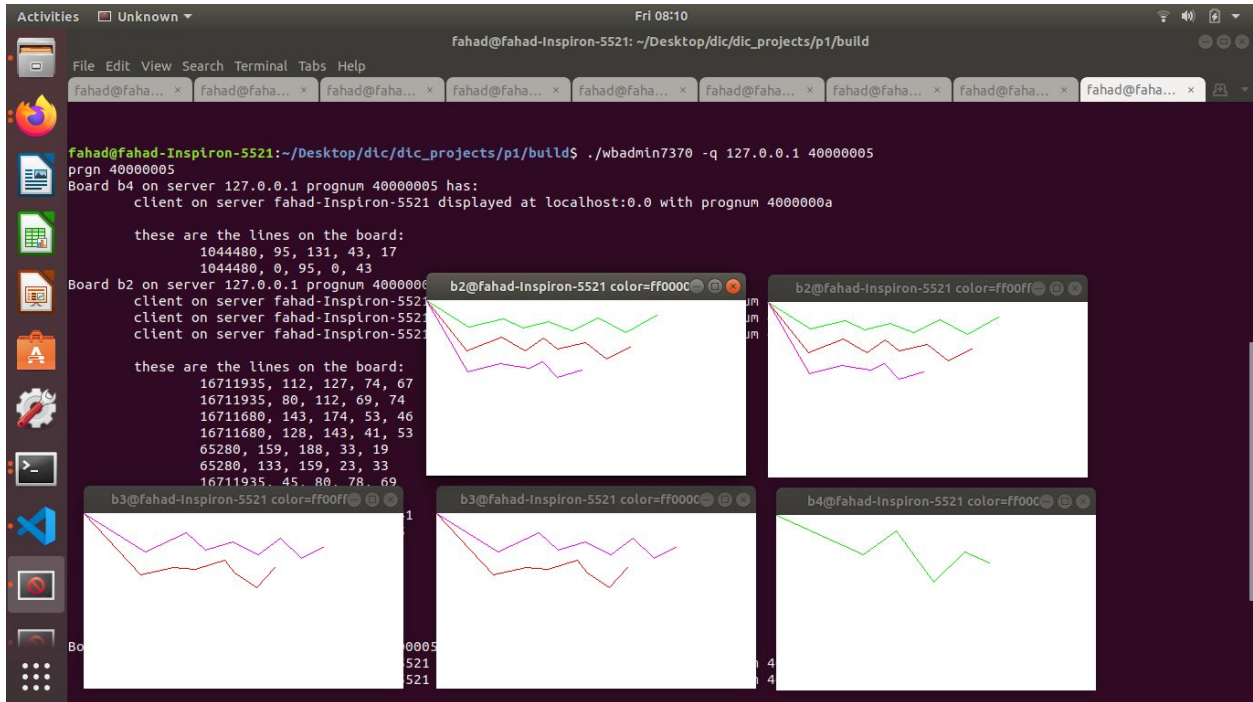




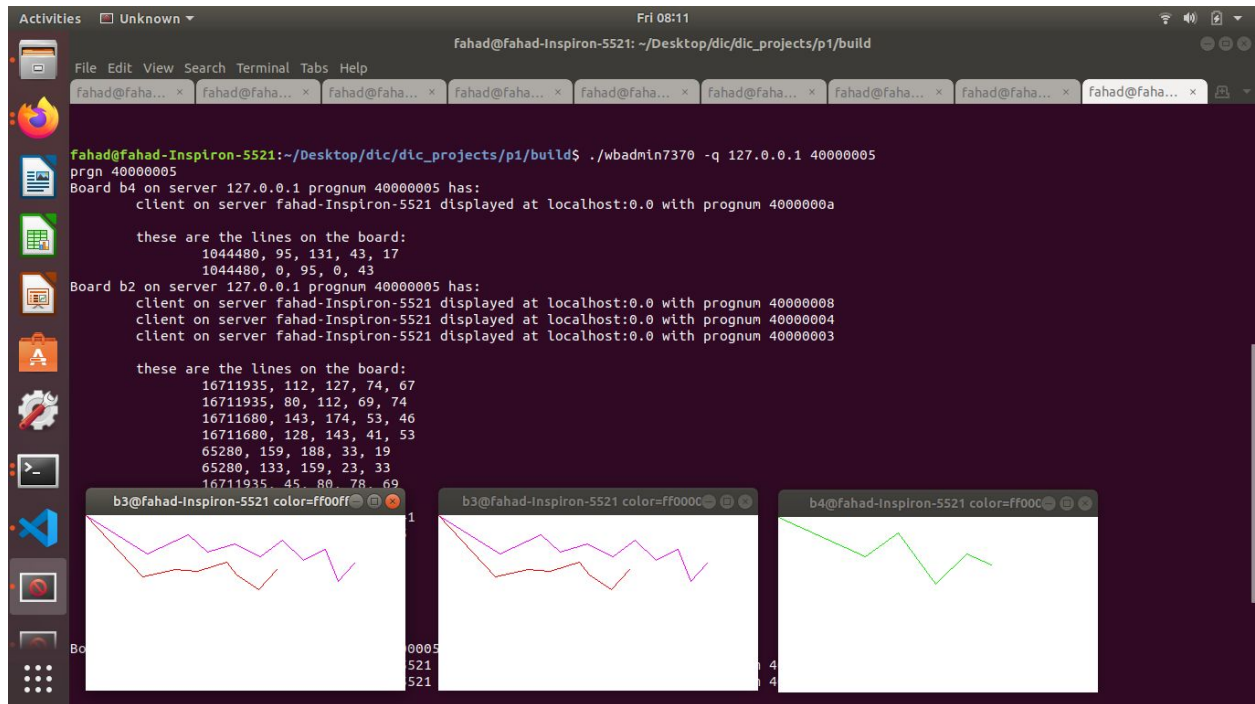
7. Terminate each client by right-clicking. Show the results via ps (For P1: rpcinfo -p also).
  1. In the following screens I one by one delete each client by doing right click. I am also drawing some new lines to show that once a client is deleted, other clients on the same board can continue drawing the lines.











In the following `rpcinfo -p`, we can see that `rpc num` of only the 2 servers are active:

Activities Terminal Fri 08:13 fahad@fahad-Inspiron-5521: ~/Desktop/dic\_projects/p1/build

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fahad@fahad-Inspiron-5521:~/Desktop/dic\_projects/p1/build\$ rpcinfo -p

program	vers	proto	port	service
100000	4	tcp	111	portmapper
100000	3	tcp	111	portmapper
100000	2	tcp	111	portmapper
100000	4	udp	111	portmapper
100000	3	udp	111	portmapper
100000	2	udp	111	portmapper
100005	1	udp	45428	mountd
100005	1	tcp	47903	mountd
100005	2	udp	51647	mountd
100005	2	tcp	41635	mountd
100005	3	udp	35860	mountd
100005	3	tcp	57275	mountd
100003	3	tcp	2049	nfs
100003	4	tcp	2049	nfs
100227	3	tcp	2049	nfs
100003	3	udp	2049	nfs
100227	3	udp	2049	nfs
100021	1	udp	48956	nlockmgr
100021	3	udp	48956	nlockmgr
100021	4	udp	48956	nlockmgr
100021	1	tcp	39467	nlockmgr
100021	3	tcp	39467	nlockmgr
100021	4	tcp	39467	nlockmgr
1073741824	1	udp	34328	
1073741824	1	tcp	46433	
1073741829	1	udp	53072	
1073741829	1	tcp	43389	

fahad@fahad-Inspiron-5521:~/Desktop/dic\_projects/p1/build\$