



The screenshot shows the NetBeans IDE interface. The top part is the Output window, which displays the execution of a Java program. The bottom part is a Terminal window showing the execution of a telnet command.

Output Window:

```
Output - MV3500_Deliverables (run-single) x ThomersonAssignment1.java x
Client: IP - /0:0:0:0:0:0:0:1, Port - 52379

Connection: 3

The last connection has been closed.
This is the server (NetBeans) confirming the connection with the client (Terminal)

Socket Pair:
  Server: IP - /0:0:0:0:0:0:0:1, Port - 2317
  Client: IP - /0:0:0:0:0:0:0:1, Port - 52381

Connection: 4

The last connection has been closed.
This is the server (NetBeans) confirming the connection with the client (Terminal)

Socket Pair:
  Server: IP - /0:0:0:0:0:0:0:1, Port - 2317
  Client: IP - /0:0:0:0:0:0:0:1, Port - 52383

Connection: 5

The last connection has been closed.

Five connections have been made - End of program.
BUILD SUCCESSFUL (total time: 27 seconds)
```

Terminal Window:

```
Terminal - localhost - / x
This connection was number 4
Connection closed by foreign host.
cournesmacbook:/ courtneythomerson$ telnet localhost 2317
Trying ::1...
Connected to localhost.
Escape character is '^]'.
This is the server (NetBeans) writting to the client (Terminal)
This connection was number 5
Connection closed by foreign host.
cournesmacbook:/ courtneythomerson$
```

Notes:

1. Depicts the NetBeans display of information:
 - a. The connection was made with the client
 - b. The connection information
 - c. The current number of connections that have been made while the program was running
 - d. The close of the connection
2. Depicts the program displaying that five connections have been made and it is shutting off
3. Depicts the Terminal side of the connection
 - a. The command from the user
 - b. The connection
 - c. Confirmation from NetBeans the connection has been made
 - d. NetBeans shows the Terminal which connection it was
 - e. The connection is closed