

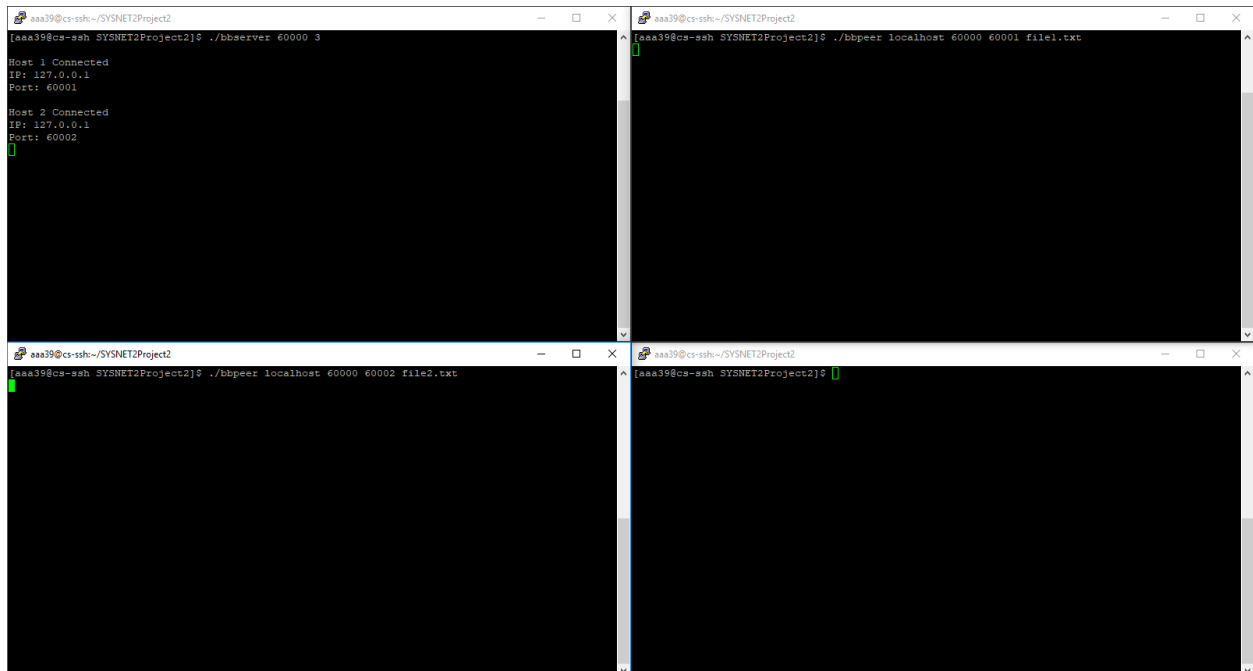
Token Ring Project

Benjamin Linam and Ali Al-Senan

COP4635 Systems and Networks 2

Screenshots of Token Ring:

Server running, 2/3 peers connected.



3 Peers connected, server shutting down.

```
aaa39@cs-ssh SYSNET2Project2 [aaa39@cs-ssh SYSNET2Project2]$ ./bbserver 60000 3
Host 1 Connected
IP: 127.0.0.1
Port: 60001

Host 2 Connected
IP: 127.0.0.1
Port: 60002

Host 3 Connected
IP: 127.0.0.1
Port: 60003

3 Peers Connected, Exiting!
[aaa39@cs-ssh SYSNET2Project2]$
```

```
aaa39@cs-ssh SYSNET2Project2 [aaa39@cs-ssh SYSNET2Project2]$ ./bbpeer localhost 60000 60001 file1.txt
Number of Hosts: 3
Neighbor IP: 127.0.0.1 NeighborPort: 60002
w - Write - Appends a new message to the end of the message board.
r - Read - Reads a particular message from the message board using a message sequence number.
l - List - Displays the range of a valid sequence numbers of messages posted to the board.
e - Exit - Closes the message board.
[
```

```
aaa39@cs-ssh SYSNET2Project2 [aaa39@cs-ssh SYSNET2Project2]$ ./bbpeer localhost 60000 60002 file2.txt
Number of Hosts: 3
Neighbor IP: 127.0.0.1 NeighborPort: 60003
w - Write - Appends a new message to the end of the message board.
r - Read - Reads a particular message from the message board using a message sequence number.
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e - Exit - Closes the message board.
[
```

```
aaa39@cs-ssh SYSNET2Project2 [aaa39@cs-ssh SYSNET2Project2]$ ./bbpeer localhost 60000 60003 file3.txt
Number of Hosts: 3
Neighbor IP: 127.0.0.1 NeighborPort: 60001
w - Write - Appends a new message to the end of the message board.
r - Read - Reads a particular message from the message board using a message sequence number.
l - List - Displays the range of a valid sequence numbers of messages posted to the board.
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Peer 1: Wrote a message (n=1), Peer 2: Listed the number of valid sequences, Peer 3: Read message 1

```
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3 Peers Connected, Exiting!
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w
Enter message into the following format:
<message n=#>...</message>
<message n=1>hello</message>

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l

Sequence Numbers: 1 to 1

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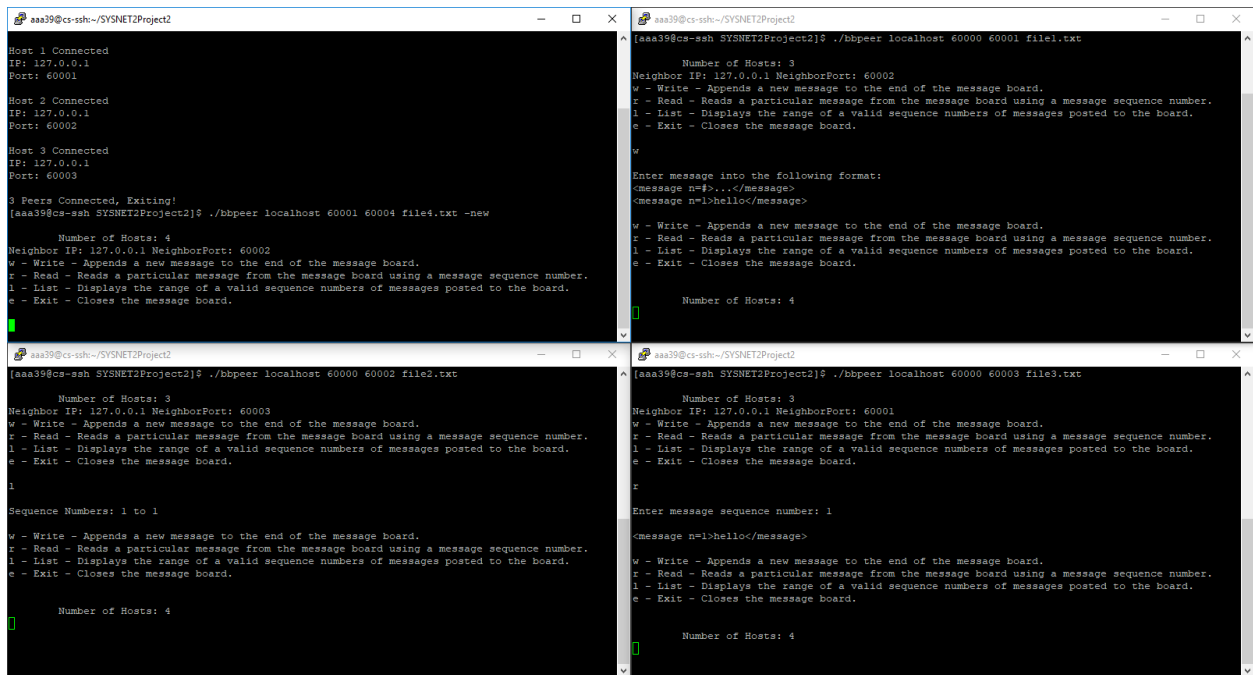
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r
Enter message sequence number: 1

<message n=1>hello</message>

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```

Peer 4 connected through Peer 1.



Peer 1 disconnected from the ring.

