1. From lab02.cs.ndsu.nodak. edu run the following command.

Usage:

physical\_layer.exe wire\_port wire\_port is the port the physical wire will listen to. It will accept two connection requests from data link layers through this port

Ex: ./physical\_layer.exe 39003

1. Run the datalink on a different computer like lab00.cs.ndsu.nodak.edu

./data\_link\_layer.exe wire\_addr wire\_port

wire\_port is the port number that physical\_wire listens to, data\_prot is the port number that data link layer will listen to. It will accept one connection request from network layer through this port.

Ex: ./data\_link\_layer.exe lab02.cs.ndsu.nodak.edu 39003 39005

1. From the same computer as step 2 execute the network layer

network\_layer.exe data\_addr data\_port nickname

data\_addr is the IP address of the machine on which data link layer (of this host) is running.

data\_port is the port number that the data link layer (of this host) listens to. Nickname is the name we assign to this host

ex ./network\_layer.exe lab02.cs.ndsu.nodak.edu 39005 Nickname1

1. Repeat step 2-3 on a new computer lab to start host 2.
2. To Exit Send type in EXIT has a message.