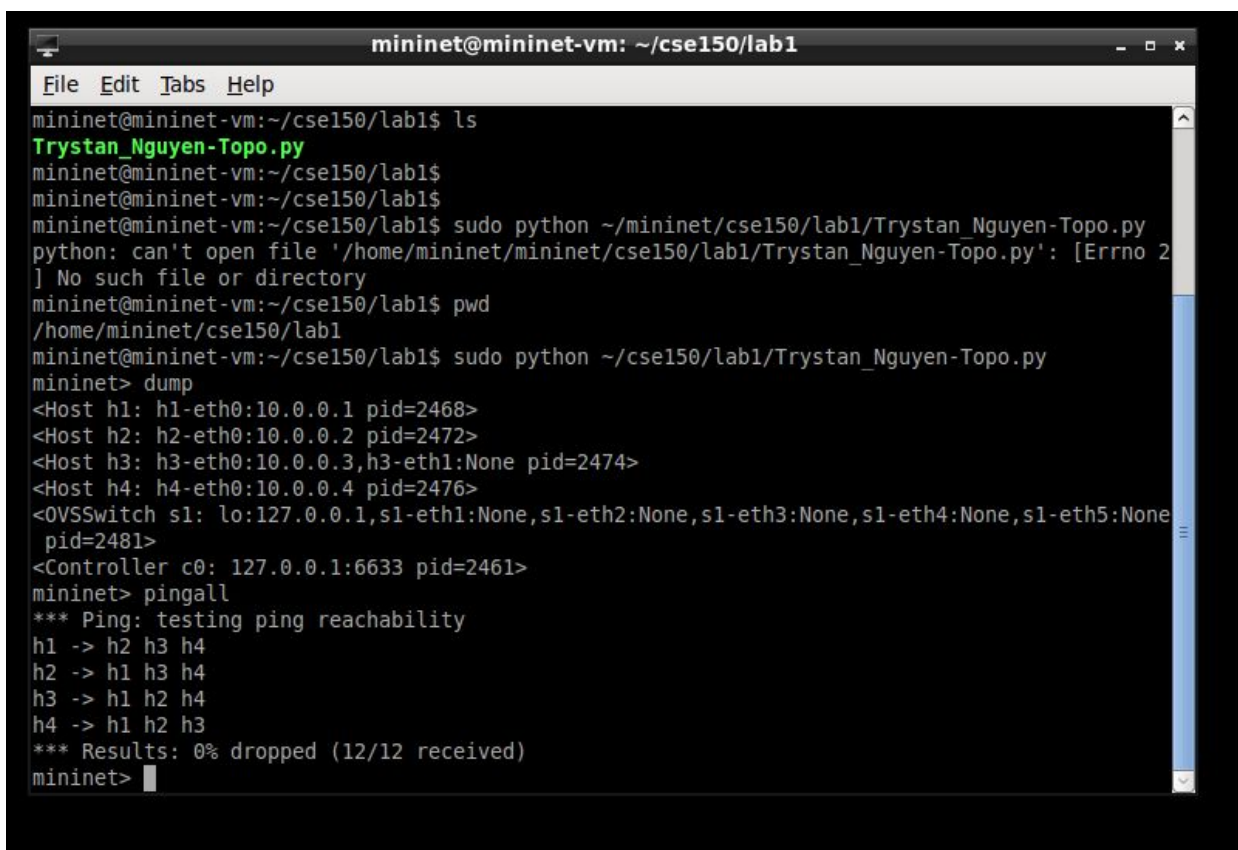Prelab 1:

1. groups
2. 0, the exit code of the previous command stored in the shell
3. CTRL+Z bg
4. Uname -r
5. . is the current working directory,
   .. is the parent of the current directory,
   ~ is the default home directory.
   / is the very root directory
6. Pid is the process identification number generated when a process is created on a unix based operating system. The command is to find the pid is ps
7. cd ~ | pwd
8. sudo allows the user to login as root without a password while su root requires a password to become root
9. Adding "| at time" at the end of a declaring process will run said process at the time, given in 00:00 format. For an interval, a for loop can be used to run a process at an interval. for i in {1..30}; do process; sleep 1800; done;

Lab 1:
1. See Trystan_Nguyen-Topo.py
2. Dump will display the information about all available nodes within the running mininet, including port connection and process ID. Pingall will individually ping each pair of nodes and determine if any data is lost

3. The connection is 11.8Gbits/sec

4.
    a. 6

b. The source is 10.0.0.1 and the destination is 10.0.0.2 for the of_packet in that pings between two nodes. The source of typefield OFPT_PACKET_OUT 127.0.0.1 and destination is 127.0.0.1

c. About 218 entries, where only 60 are ICMP. Most tend to be Echo requests and replies.