Challenges

* Run ifconfig/ipconfig/ip and determine the name/id of your primary network interface
* What is your primary interface's IP address? Is it different from your public IP? Why or why not?
  + My IP Address is 10.0.2.15
* What is the MAC address of your primary interface?
  + My MAC address is 08:00:27:1a:8c:88
* Identify and understand your [loopback interface](http://askubuntu.com/questions/247625/what-is-the-loopback-device-and-how-do-i-use-it)
* What is the IP address of codepath.com?
  + 198.58.125.217
* What is the IP address of google.com?
  + 172.217.5.78
* Why would the IP address of google.com change between runs or from different locations?
  + Because of the multiple servers google has
* Using the IP for codepath.com from the previous, pass it to nslookup
* Does the domain returned from nslookup match? If not, why not?
  + Yes it matches
* Compare the traceroutes for codepath.com and google.comHow many of the hops are the same? What accounts for this?
  + They are the same
* Which has more hops? What accounts for the difference?
  + Same amount
* What's one thing that makes telnet insecure?
  + The data isn’t encripted
* Can you telnet to codepath.com? What port is open and why?
  + No, invalid