

*We'll post an outline of each recitation after the fact so you know what was covered in case you had to miss class that day. The recitation outlines are not a full replacement for recitation! The outline for Recitation 1 is particularly short because the first part of it came directly from Lab 1, which you all have access to.*

## **Recitation 01: Setting up a UNIX environment + DNS**

### **Part 1: Getting familiar with UNIX**

In the first part of recitation, the TAs went through some basic UNIX commands. These commands and their explanations are actually included as part of Lab 1 in the "Introduction to UNIX" section (Question 4). Because the commands are all there, we won't repeat them here.

### **Part 2: Reviewing DNS**

*Depending on your recitation, you may or may have not gotten to this part.*

We covered DNS in Lecture 2 on Wednesday. In this recitation, we went through the example in Figure 4.10 in the textbook, where a client tries to resolve a DNS query for [ginger.scholarly.edu](http://ginger.scholarly.edu). This is a great exercise to practice yourself if it wasn't covered in your recitation — stop by office hours if you have any questions!

Questions you should be able to answer about this example:

- Which nameserver is responsible for what names?
- How do clients know the IP address of the root?
- What does "NS" mean? "AP"?
- Which nameserver are involved in a query to resolve [ginger.scholarly.edu](http://ginger.scholarly.edu)? Which nameservers aren't involved?
- How would this example change if caching and recursion were involved?