This homework is about setting up Domain Name Service.

Set up the files for the machine you administer to be a DNS name server (Remember, cheetah holds configuration files that may be used as examples). You will claim to be a primary server for the domain netXX.cecs.csulb.edu where XX is the number of your machine. (For example those of you on lab28 will set up as a primary for the domain net28.cecs.csulb.edu.) You will also claim to be a primary server (reverse lookup) for the 192.168.1.0 subnet.

To make this project simpler, you domain has only two machines. Your DNS files should have name/number and reverse mappings for the machine `test01.netXX.cecs.csulb.edu` with a number of `192.168.1.1` and for the for the machine `test02.netXX.cecs.csulb.edu` with a number of `192.168.1.2` You will need to build `named.conf`, `named.local` and the forward and reverse files. You should use a copy of an existing `root.cache`. You should place `named.conf` in `/etc` and all other files in `/etc/named`. When you have the files set up, you should start `/usr/sbin/named` (the program), by hand. Note: If you run into issues, `/var/log/syslog` may contain valuable information to help troubleshoot (particularly on syntax errors).

Modify your machine so that `named` will start automatically when the machine is booted.

To prevent everything from crashing if you goof up your configuration, I recommend you do not change your `resolv.conf`. This means that "normal" name look-ups will still go to `cheetah`. The only time you will use your server is if you specify it or to specifically switch to your it.

Testing: Use an `nslookup` or `dig` or `host` specifically specifying your machine as the server and look up `test01.netXX.cecs.csulb.edu` and make sure it finds the IP number. Repeat this test looking up the IP number (`192.168.1.1`) and make sure it finds the name. Do this for the other name and address as well.

Report: Which files did you install and what was in them. Suggestion: Put each of the files into your submission. As the first or second line in the file put a comment that contains the name of the file.

Report: Give exactly one of your tests. This will indicate which command you used in testing and the exact format of that command.