

# System Administration for Beginners

## Week 7 Homework

March 29, 2010

Please turn in your homework at the beginning of class, with the assignment title, your name, `inst` login, and the answers with brief justification.

1. The *P* in LAMP *always* stands for PHP.
  - (a) True
  - (b) False
2. For a development machine (*e.g.*, programming on your laptop), a package that quickly implements and installs components of LAMP would be a good idea.
  - (a) True
  - (b) False
3. A software package exists which does install the components of the LAMP solution stack quickly. What is it called? Name at least two.
4. All the components in LAMP can be exchanged for other variants. Name at least 3 additional variants and the components in the LAMP model that they replace.
5. You are tasked to set up a new web server for a company whose website receives hundreds of thousands of hits daily. They are switching from some proprietary web server to the open-source Apache. How would you install this, and why (*i.e.*, explain why you are choosing to install Apache the way you are)?
6. EXTRA: `lighttpd` is a popular and fast alternative to Apache, which may contain more components than a developer or sysadmin actually needs. Find a site that runs on `lighttpd`. What are the major differences between `lighttpd` and Apache? Install `lighttpd` and try to install WordPress or an equivalent. Did you find the process easier or harder than with Apache?