

# CS228 Final Review Guide

There are no questions which are purely from the book. The exam will be closed book, with a page of notes will be allowed.

Commands which appear somewhere on the test:

- cd
- sh
- chmod
- cat
- grep
- wc (including -l option)
- sed
- sort
- uniq
- echo
- alias
- export
- aespipeline
- zip or tar (you can choose either for your answer)
- ls

For some commands, the mention is as a multiple choice answer, and others are involved in short answer questions. Given that a page of notes is allowed, it may be to your benefit to make a list with a brief description of what each of these commands does.

Pipes and backticks are mentioned in multiple questions, so be familiar with how to use these. Also, shell variables, contents of common directories (`/etc`, `/home`, `etc`), use of semicolon to separate lines, and file permissions. Mention is made of web servers, and there is a question which asks specifically about HTML. You will have to write shell commands. The test contains a Python script, which you have to understand.

A quick overview of the test:

Page	Question Format	Total Points	Topics
1	None	0	Cover Page
2	8 Multiple Choice	24	General
3	5 Very Short Answer	15	Regular expressions with grep
4	5 Very Short Answer	15	Regular expressions, wc, sed, sort, uniq
5	3 Short Answer	18	Python scripts, alias, backticks, export, escape sequences, sed, echo
6	4 Very Short Answer, 1 short answer	12	Permissions, aespipeline
7	2 short answer	12	Apache, zip or tar, using grep with ls -sh
8	1 short answer	4	HTML