A1: pwd

Expected output:
/cise/homes/dihong/TA-FA16/hw1/testdir
Note: the output depends on the machine you are running the command.

A2: find .. -type f -name "*.py" | wc -l

Expected output:
1
Note: you can use either recursive or non-recursive calculation.

A3: find . -type d -name "*data*" | wc -l

Expected output:
3
Note: you have to count recursively because the question explicitly specifies that.

A4: find . -type f -name "*.JPG" -exec ls -l {} \; | sort -k 5 -nr | grep -o '[^/]*$' | head -3

Expected output:
4.JPG
3.JPG
2.JPG
Note: you cannot use "du" command here because it gives you "disk usage" size, not actual file size.

A5: head -20 ~/wc_day6_1.log | tail -11

Expected output:
5 - - [30/Apr/1998:22:00:04 +0000] "GET /images/hm_f98_top.gif HTTP/1.1" 200 915
6 - - [30/Apr/1998:22:00:04 +0000] "GET /images/team_hm_concacaf.gif HTTP/1.0" 200 764
6 - - [30/Apr/1998:22:00:04 +0000] "GET /images/team_hm_afc.gif HTTP/1.0" 200 475
6 - - [30/Apr/1998:22:00:04 +0000] "GET /images/team_hm_caf.gif HTTP/1.0" 200 473
7 - - [30/Apr/1998:22:00:05 +0000] "GET /english/playing/mascot/mascot.html HTTP/1.0" 200 5521
1 - - [30/Apr/1998:22:00:05 +0000] "GET /images/home_tool.gif HTTP/1.0" 200 327
8 - - [30/Apr/1998:22:00:05 +0000] "GET /english/images/comp_bu_stage1n.gif HTTP/1.0" 200 1548
8 - - [30/Apr/1998:22:00:05 +0000] "GET /english/images/comp_bu_stage2n_on.gif HTTP/1.0" 200 996
8 - - [30/Apr/1998:22:00:05 +0000] "GET /images/comp_stage2_brc_top.gif HTTP/1.0" 200 163
8 - - [30/Apr/1998:22:00:05 +0000] "GET /images/comp_stage2_brc_topr.gif HTTP/1.0" 200 163
9 - - [30/Apr/1998:22:00:05 +0000] "GET /english/history/past_cups/images/posters/france38.gif HTTP/1.0" 200 4649
Note: Make sure you have 11 lines. When refer to the log file, it is expected to use "~/wc_day6_1.log" with "~/" as home directory, instead of something like "wc_day6_1.log" (without path to home directory) or like "/home/user/wc_day6_1.log" (with absolute path to home directory).

A6: grep '01/May/1998' ~/wc_day6_1.log | head -10

Expected output:
2196 - - [01/May/1998:00:00:00 +0000] "GET /images/nav_bg_top.gif HTTP/1.0" 200 929
2096 - - [01/May/1998:00:00:00 +0000] "GET /images/news_hm_arw.gif HTTP/1.1" 200 152

2065 - - [01/May/1998:00:00:00 +0000] "GET /images/s102373.gif HTTP/1.0" 200 142
2219 - - [01/May/1998:00:00:00 +0000] "GET /english/frntpage.htm HTTP/1.0" 200 12800
2168 - - [01/May/1998:00:00:00 +0000] "GET /french/images/team_group_header_e.gif HTTP/1.1" 200 724
2168 - - [01/May/1998:00:00:00 +0000] "GET /images/s102378.gif HTTP/1.1" 200 118
2168 - - [01/May/1998:00:00:00 +0000] "GET /images/s102324.gif HTTP/1.1" 200 176
2206 - - [01/May/1998:00:00:01 +0000] "GET /images/s102325.gif HTTP/1.0" 200 187
2096 - - [01/May/1998:00:00:01 +0000] "GET /images/32t49814.jpg HTTP/1.1" 200 5196
1995 - - [01/May/1998:00:00:01 +0000] "GET /english/venues/images/venue_hm_bg01.jpg HTTP/1.0" 200 44591
Note: N/A

A7: grep '^0' ~/wc_day6_1.log -n | grep '0$' | cut -d':' -f1

Expected output:
402
1541
1771
2548
4070
5593
7068
9573
9833
10000
10228
10482
10560
10581
Note: N/A

A8: head -10 ~/wc_day6_1.log | sed 's/.*] //g'

Expected output:
"GET /images/home_intro.anim.gif HTTP/1.0" 200 60349
"GET /images/home_bg_stars.gif HTTP/1.0" 200 2557
"GET /images/home_fr_phrase.gif HTTP/1.0" 200 2843
"GET /images/nav_bg_top.gif HTTP/1.0" 200 929
"GET /images/home_logo.gif HTTP/1.0" 200 3401
"GET /images/logo_cfo.gif HTTP/1.0" 200 1504
"GET /images/home_eng_phrase.gif HTTP/1.0" 200 2861
"GET /english/index.html HTTP/1.0" 304 0
"GET /english/frntpage.htm HTTP/1.0" 200 12800
"GET /images/hm_f98_top.gif HTTP/1.1" 200 915
Note: N/A

A9: cat ~/wc_day6_1.log | cut -d ' ' -f 8 | cut -d '"' -f 1 | sort | uniq -c | sort -nr | sed 's/^ *//g'

Expected output:
953944 HTTP/1.0
239271 HTTP/1.1
138 HTTP/X.X
Note: your exact output format can vary. But make sure that:

a. It contains three protocols, one per line, and the protocol names are identical with given output.
b. The count numbers are correct for each protocol.

The variation allows you to have answer like:

HTTP/1.0 953944
HTTP/1.1 239271
HTTP/X.X 138

Submission Format

Your submitted file should look something like this
pwd
find .. -type f -name "*.py" | wc -l
find . -type d -name "*data*" | wc -l
find . -type f -name "*.JPG" -exec ls -l {} \; | sort -k 5 -nr | grep -o '[^/]*$' | head -3
head -20 ~/wc_day6_1.log | tail -11
grep '01/May/1998' ~/wc_day6_1.log | head -10
grep '^0' ~/wc_day6_1.log -n | grep '0$' | cut -d':' -f1
head -10 ~/wc_day6_1.log | sed 's/.*] //g'
cat ~/wc_day6_1.log | cut -d ' ' -f 8 | cut -d "" -f 1 | sort | uniq -c | sort -nr | sed 's/^ *//g'

Note: Your submission should only contain valid commands. For example, answers like "Q1: pwd" is illegal (but we made correction for you manually).
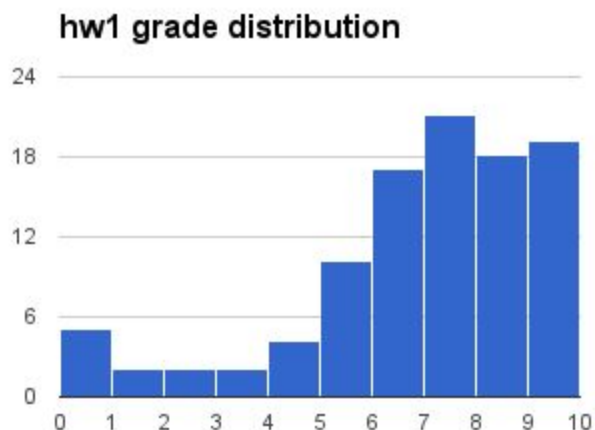
Alternative Solutions

You may have alternative solutions other than the provided answers. When grading your assignment, we compare the output of your commands, not comparing if your commands are identical to ours.

Statistics

Average score per question (0-1): `[0.95, 0.63, 0.84, 0.38, 0.93, 0.81, 0.79, 0.72, 0.77]`
Overall average score: 72%
Grade Distribution:

hw1 grade distribution

Regrading

Policy: If you are not satisfied with your grades, you are welcome to request a regrade. Before making a request, please download the testing directory here, and then extract and run your commands in the **testdir** directory and compare your outputs with ours. If you see your outputs are equivalent to ours, then please request a regrade. When request regrade, please specify:

    a. Which question you want regrade.
    b. What is your solution to that question (e.g. the command).
    c. Why your answers did not give identical outputs to ours, or why you believe your outputs are equivalent to ours though they are not identical.

How to request: please send your request electronically to Dihong (gongd@ufl.edu), with title "Homework-1 regrade request from your_full_name".

Deadline: 09/19/2016. No request is accepted after deadline.