CST 334: Operating Systems

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# Basic bash commands

**Purpose**: to give you some practice on the basic bash commands you will be using all the time

**Instructions**: Answer each of the questions below by giving the bash command you would use. Insert your answers into file [bash1.txt](https://drive.google.com/file/d/1Km3u4FfzcA8vbkpukgGpCvPFwgjV8h_m/view?usp=sharing) by editing the file. I recommend you try out your answers at the command line.

1. List all .txt files in the current working directory.
2. List all files in directory /home/CLASSES in 'long' format. Don't include entries starting with '.'
3. Delete all .py files in the parent directory of the current directory.
4. Rename file 'grades.csv' in the current working directory to 'grades-old.csv'.
5. Copy file 'foo.txt' to the subdirectory 'archive' of the current working directory. Do not change the file name.
6. List the first three lines of the file 'msh.c' in the current working directory.
7. Create a new subdirectory 'cst334' of your home directory. Do not use the specific name of your home directory on any machine. Your answer should work on any linux machine, and should not depend on your current working directory.
8. Get the name of the current working directory.
9. Change to the subdirectory 'foo' of the subdirectory 'bar' of the current working directory.
10. Delete subdirectory old-memes, and all files within it, within the current working directory.

Please note that you will only get credit for answers that exactly match the suggested answer -- even if your answer works.

**Testing your answers**: You can test your answers before you submit. On mlc104, in directory /home/CLASSES/brunsglenn/cst334/hw/hw2, you will see file bash1.tar. You will have to extract the files in this tar archive file using the tar command. The tar file contains files test1.sh, test2.sh, …, test10.sh, get-response.awk, and Makefile. File test1.sh will test whether your answer to problem 1 is correct. You can run it like this:

$ ./test1.sh; echo $?

This bash script test1.sh will extract your answer to problem 1 from bash1.txt, and then exit with status 0 if your answer is correct. The command echo $? checks the exit status of the previous command. If your answer to problem 1 is correct, you will see a 0. If you put your file bash1.txt in a directory along with the files contained in bash1.tar, you can check all of your answers by running the 'make command', like this:

$ make

Please try checking your answer to problem 1 right away to make sure you can successfully run the test scripts.

**Submission**: Submit your edited bash1.txt on iLearn.

**Grading**: Each problem is worth 2 points.