CIS 90 - Test 3 - Spring 2011

30 points + 10 points extra credit (each question worth 2 points)

Honor Code: This test is open book, open notes, and open computer. The one restriction is that you must work alone and answer all test questions by yourself. You may not give or receive help from others.					
Name: Please type your name below to indicate your agreement to follow the honor code.					
(name)					
This test is very close to the practice test published last week. All differences have been highlighted for you.					
When finished, save this file and email it as an attachment to: risimms@cabrillo.edu using your normal email program. Be sure to cc: yourself and verify what you sent.					
The deadline to email your test is Midnight tonight. Tests emailed after the deadline will not be accepted.					
1) What would you type, to schedule making a backup copy of your letter file (to letter.bak), at 3:00AM? (q1)a					
(q1)b					
(q1)c					
(q1)d					
2) What command was used to produce this output?					
-bash: <pre>route</pre> : command not found /home/cis90ol/simmsben \$					
(q2)					
3) You have received an email from Rich on Opus. What is Benji's favorite game?					
(d3)					
4) What is the absolute pathname for the /etc/passwd file?					
(q4)					

5) How could you permanently modify your shell environment so that when you typed **show**, you would see any files you had copied to the /home/rsimms/turnin directory?

(q5)
6) There is a <i>dogs</i> directory in the <i>/home/rsimms</i> directory on Opus. Inside that directory are more directories and files. You may wish to explore that directory with the tree and/or Is commands.
From your home directory, what complete command, using the bracket "[]" meta-characters, and the wildcard "*" metacharacter, would copy just Twain's Race and Tale files to your home directory?
(q6)
7) Create a file in your home directory named rin-tin-tin.
 What complete command would set the permissions on <i>rin-tin-tin</i> so that: you have only read & write permissions, group users have only read permission,
and others have no permissions whatsoever?
(q7)
8) There is a <i>dogs</i> directory in the <i>/home/rsimms</i> directory on Opus. Inside that directory are more directories and files. You may wish to explore that directory with the tree and/or Is commands.
Go through all the files in the <i>dogs</i> directory (and its sub-directories) and count the number of lines containing the word wisdom. How many lines contain the word wisdom?
(dg)
 9) Using all of the following: a) The echo command using only arithmetic expressions as argument(s) b) The bc command c) A (pipe) d) Some type of redirection
What command, using all the elements above, would output "Runtime error (func=(main), adr=5): Divide by zero" to a file named <i>errors</i> ?
(q9)
10) Benji has a small problem. He has run the app program in one terminal and it's no longer responding. He wants to kill it but can't remember how. In his second terminal he displays his current processes:
/home/cis90/simmsben \$ ps -u simmsben PID TTY TIME CMD 24093 ? 00:00:00 sshd 24094 pts/7 00:00:00 bash 25463 pts/7 00:00:00 app

```
PID TTY TIME CMD
24093 ? 00:00:00 sshd
24094 pts/7 00:00:00 bash
25463 pts/7 00:00:00 app
25764 ? 00:00:00 sshd
25765 pts/1 00:00:00 bash
25810 pts/7 00:00:00 sleep
25811 pts/1 00:00:00 ps
/home/cis90/simmsben $
```

• Find the line containing: UserDir disable and comment it out by placing a # in front of it. • Find the line containing: # UserDir public_html and enable it by removing the # in front of it. Save your changes and copy your modified httpd.conf file to the turnin directory using: cp httpd.conf /home/rsimms/turnin/ httpd.conf.\$LOGNAME What Is command could you use to verify your httpd.conf file was submitted correctly? (q11)	What command should Benji use to send	a <mark>SIGTER</mark>	<mark>8M</mark> sigr	nal to h	is ap	process	s?	
web service configuration file. We are going to practice modifying this file to enable all Opus user accounts to publish their own web sites. Edit your copy of the httpd.con file with vi and make the following changes: • Find the line containing: UserDir disable and comment it out by placing a # in front of it. • Find the line containing: # UserDir public_html and enable it by removing the # in front of it. Save your changes and copy your modified httpd.con file to the *turnin* directory using: cp httpd.con file to the *turnin* directory using: cp httpd.con file to the *turnin* directory using: cp httpd.con file to the *turnin* directory using: cp httpd.con file to the *turnin* directory using: cp httpd.con file to the *turnin* directory using: cp httpd.con file to the *turnin* directory using: cp httpd.con file to the *turnin* directory using: cp httpd.con file to the *turnin* directory using: cp httpd.con file to the *turnin* directory using: httpd.con file was submitted correctly? (q11) Note: If we had modified the actual httpd.conf file in *etc/httpd/conf/, opened port 80 in the firewall and restarted the Apache service, then all Opus users would really be enabled to publish web sites. 12) Without making any changes to your shell environment on Opus, has your LS_COLORS variable been exported? (q12) 13) Given the following command and output: //home/cis90/simmsben \$ 1pstat https://www.con/wichensors/">https://www.con/wichensors/ simmsben 10240 Sat 04 Dec 2010 02:09:45 PM PST https://www.con/wichensors/ simmsben 33792 Sat 04 Dec 2010 02:09:45 PM PST https://www.con/wichensors/ What complete Iprm command would Benji use to stop the printing of the larger file (the on	(q10)							
and comment it out by placing a # in front of it. Find the line containing: # UserDir public_html and enable it by removing the # in front of it. Save your changes and copy your modified httpd.conf file to the turnin directory using: cp httpd.conf /home/rsimms/turnin/ httpd.conf.\$LOGNAME What Is command could you use to verify your httpd.conf file was submitted correctly? (q11)	web service configuration file. We are go Opus user accounts to publish their own volume and make the following changes:	ing to pra web sites.	ictice i	modifyi	ng thi	is file to <mark>e</mark>	<mark>enable all</mark>	
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What Is command could you use to verify your httpd.conf file was submitted correctly? (q11)	Save your changes and copy your modifie	ed <mark>httpd.d</mark>	onf fi	le to th	e <i>turr</i>	<i>nin</i> direct	ory using:	
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(q14)	to recursively download all the files in you	ur home d	directo	ry on C)pus t	o your co		use
	(q14)							

 all the files in your home directory, all the files in the /home/cis90ol/bin directory, and all the files in the /home/cis90ol/answers directory
into a single tarball file in your home directory? This tarball should be named using your username with a .tar suffix.
(q15)
16) [Extra credit] From the Flashcards:
What command shows the name of the computer you are using?
(q16)
17) [Extra credit] From the Flashcards:
What environment variable is used by the shell to make the prompt?
(q17)
18) [Extra credit] From the Flashcards:
What is an example command to read mail messages saved in the local mbox file?
(q18)
19) [Extra credit] From the Flashcards:
What command will show a hex dump of a binary data file?
(q19)
20) [Extra credit] From the Flashcards:
What echo command would show all filenames in the parent directory starting with a p?
(q20)

15) From the /home/cis90ol directory, what tar command would you use to archive: