

CIS 90 - Test 1- Spring 2011

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: _____

(type your name to indicate your agreement to abide by the honor code above)

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.

30 points total. Each correct answer is worth 2 points.

Part 1 - These questions come from the online Flashcards:

[Q1] What command will show a hex dump of a binary data file?

[A1] _____

[Q2] What command is used to concatenate and print one or more files?

[A2] _____

[Q3] What is an example command to read mail messages saved in the local mbox file?

[A3] _____

[Q4] What command shows the name of the computer you are using?

[A4] _____

[Q5] What environment variable is used by the shell to determine which directories to search when locating a command?

[A5] _____

Part 2 – Use Opus to verify your answers to the following questions

[Q6] What file type is the file in the **/etc/httpd/conf/** directory with an inode number = 1278942?

[A6] _____

[Q7] What is the actual absolute pathname to the **/etc/passwd** file?

[A7] _____

[Q8] Benji issues the following command to show there is more than one banner command on Opus:

```
/home/cis90ol/simmsben $ ls -l bin/banner /usr/local/bin/banner
-rwxr-xr-x 1 simmsben cis90ol 6160 Aug 28 2003 bin/banner
-rwxr-xr-x 1 root      root    11235 Jan 9 2010 /usr/local/bin/banner

/home/cis90ol/simmsben $ banner Hi Benji
#      #      #####
#      #      #
#      #      #
#####      #
#      #      #
#      #      #
#      #      #####

##### ##### #      #      #      #####
#      # #      ##      #      #      #
#      # #      # #      #      #      #
##### #####      # #      #      #      #
#      # #      #      # # #      #      #
#      # #      #      ## #      #      #
##### ##### #      #      #####      #####

/home/cis90ol/simmsben $
```

When Benji types the **banner Hi Benji** command from his home directory, which banner command did he run? The one in **/usr/local/bin** or the one in his own **bin** directory?

[A8] _____

[Q9] There is a file named **config** in the directory **gnome**, in the directory **bugzilla**, in the directory **bug-buddy**, in the directory **share**, in the directory **/usr**. How many lines are in this file?

[A9] _____

[Q10] Who owns the `/etc/sysconfig/network-scripts/ifcfg-eth0` file?

[A10] _____

[Q11] What command will show how your primary prompt is configured?

[A11] _____

[Q12] In what directory does the `zforce` command reside?

[A12] _____

[Q13] Starting in `/u` and descending down subfolders, what are the names of the two files in the last and deepest folder?

[A13] _____

[Q14] When the command `ls /usr/bin/z[if]????` is run from your home directory, what arguments does the shell provide to the `ls` command to process?

[A14] _____

[Q15] Calculate: $2 + (23^2 * 4 - 99) - \text{sqrt}(64)$

and email the answer to `rsimms` using the `mail` command.

Part 3 – Extra Credit (use Opus to verify your answers)

[QX1] What command (shown as ?????? below) would produce the output below?

```
/home/cis9001/simmsben $ ??????  
xxd V1.10 27oct98 by Juergen Weigert  
/home/cis9001/simmsben $
```

[AX1] _____

[QX2] Which shell program will be started for millehom (Homer Miller) when he logs into Opus?

[AX2] _____

[QX3] What complete command could display output such as the following, showing idle time and column headers for users currently logged in?

NAME	LINE	TIME	IDLE	PID	COMMENT
rsimms	pts/1	2011-03-15 08:23	.	24017	(dsl-10-78-126-19.dhcp.cruzter.com)
rsimms	pts/2	2011-03-15 07:44	03:41	23499	(dsl-10-78-126-19.dhcp.cruzter.com)
simmsben	pts/3	2011-03-15 08:33	00:04	24083	(dsl-10-78-126-19.dhcp.cruzter.com)
guest130	pts/4	2011-03-15 10:30	.	25354	(adsl-20-201-78-69.dsl.abclocal.net)
delfimik	pts/5	2011-03-15 11:37	.	26996	(adsl-30-27-59-11.dsl.abcglocal.net)
silvetyl	pts/6	2011-03-15 11:38	00:05	27194	(c-40-123-46-9.hsd1.ca.comster.net)
lopezjes	pts/7	2011-03-15 11:21	00:02	25937	(50-75-89-34-sfba.hfc.comster.net)
lopezjes	pts/8	2011-03-15 11:28	00:01	26119	(50-75-89-34-sfba.hfc.comster.net)
vasqucar	pts/9	2011-03-15 10:00	01:30	24903	(50-102-84-123.dhcp.ca.chart.com)

[AX3] _____

[QX4] Parse the following command:

cp -p /boot/grub/stage[12] .

command:

[AX4a] _____

options:

[AX4b] _____

arguments:

[AX4c] _____