Bio 720 - Assignment 02

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	EMAIL v	NAME v	COURSES COMPLETED *	CHAPTERS COMPLETED *	XP POINTS v
1.	shangsj3@mcmaster.ca	Lucy Zhang	1	5	3380

2.

echo hello world	tells the shell to print the content after echo to STDOUT
date	print the current date to STDOUT
hostname	print the name of the computer you're on to STD-OUT $$
uname -a	same as uname -mnrsv, print the name of the operating system (OS), name of the node, the release level of the OS, name of the implementation of the OS, and version of the OS.
uptime	print the time that the system has been running, number of users logged on and the system load average in the past 1, 5, and 15 minutes
whoami	print the name of the current user to STDOUT
echo \$SHELL	print the path to the current shell
echo $\{con,pre\}\{sent,fer\}\{s,ed\}$	print all the combinations of the items inside the braces to STDOUT
clear	clears the terminal screen
bc -1 41^73	opens a basic calculator that has the standard math library loaded (-1), and performs the calculation
echo 5+4 bc -1	send 5+4 to basic calculator
sleep 5	suspend the shell for 5 seconds

history	show the command history
du -sh /home/yourUserID	estimates the total disk space usage by the files of the home directory and the return value is displayed in human-readable form
du -sh /home/yourUserID/	estimate the total disk space usage by each file in the home directory and the return value is dis-

played in human-readable form

3.

cal	prints a small calendar of the current month
cal -3	prints 3 months spanning the current date
cal 9 2018	prints the calendar of September 2018
cal 9 1752	prints the calendar of September 1752 (start of the Gregorian reformation)

cal 28 1 1995 Saturday

January 1995
Su Mo Tu We Th Fr Sa
1 2 3 4 5 6 7
8 9 10 11 12 13 14
15 16 17 18 19 20 21
22 23 24 25 26 27 28
29 30 31

4. chmod changes the file into an executable for the user.

```
Hello World!
Today is
Tue Sep 18 15:59:15 EDT 2018
```

5. ls -l .forward -rw-rw-r-- 1 lucy 21 Sep 18 15:12 .forward

```
7. On info: cat /etc/passwd | wc -1
8.

grep -e 'gene\s{2,}' Dmelanogaster.gbk returns list of genes
grep -ce 'gene\s{2,}' Dmelanogaster.gbk returns number of genes
37
grep -ce 'tRNA\s{2,}' Dmelanogaster.gbk returns number of tRNA
22
grep -ce 'rRNA\s{2,}' Dmelanogaster.gbk returns number of rRNA
2

9. grep -ce 'gene\s{2,}' Bacillus_genomes/Bacillus_anthracis_Ames_NC_003997.gbk
5630
grep -ce 'gene\s2,' Arabidopsis_mt.gbk
66

10. grep -ce '\d+\s.*(t\s{0,1}a\s{0,1}t\s{0,1}t\s{0,1}t\s{0,1}a)' Bacillus_anthracis_Aes_NC_003997.gbk
```

3

more .forward

6. ls -1 .nanorc

more .nanorc
set regexp

zhangsj3@mcmaster.ca

-rw-r--r-- 1 lucy 11 Sep 18 15:52 .nanorc