

# week report 3

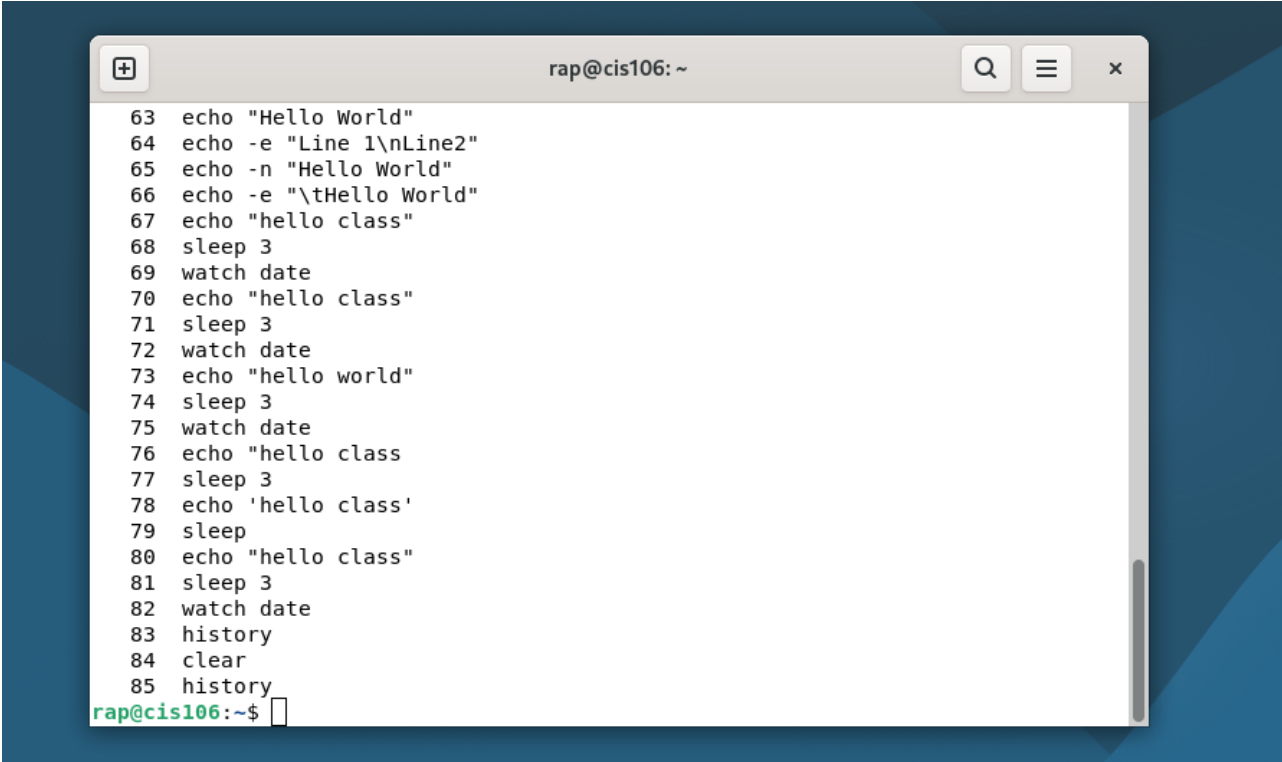
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## Completed work for week 3

- [lab 3](#)
- [Notes 3](#)

## Practice screenshots

### Practice 3



```
rap@cis106: ~  
63 echo "Hello World"  
64 echo -e "Line 1\nLine2"  
65 echo -n "Hello World"  
66 echo -e "\tHello World"  
67 echo "hello class"  
68 sleep 3  
69 watch date  
70 echo "hello class"  
71 sleep 3  
72 watch date  
73 echo "hello world"  
74 sleep 3  
75 watch date  
76 echo "hello class"  
77 sleep 3  
78 echo 'hello class'  
79 sleep  
80 echo "hello class"  
81 sleep 3  
82 watch date  
83 history  
84 clear  
85 history  
rap@cis106:~$
```

### Practice 4

Screenshot From 2025-10-12 16-27-02.png

```

rap@cis106: ~
2866 rap      20    0 3297776 491656 204812 S   0.3 12.2 0:35.54 firefox+
2943 rap      20    0 2487704 140704 99632 S   0.3  3.5 0:02.32 Privile+
3131 rap      20    0 2424196 77444  63576 S   0.3  1.9 0:00.67 Web Con+
3222 root      20    0          0          0    0 I   0.3  0.0 0:00.37 kworker+
  1 root      20    0   23984  14772  10720 S   0.0  0.4 0:01.44 systemd
  2 root      20    0          0          0    0 S   0.0  0.0 0:00.04 kthreadd
  3 root      20    0          0          0    0 S   0.0  0.0 0:00.00 pool_wo+
  4 root      0 -20          0          0    0 I   0.0  0.0 0:00.00 kworker+
  5 root      0 -20          0          0    0 I   0.0  0.0 0:00.00 kworker+
  6 root      0 -20          0          0    0 I   0.0  0.0 0:00.00 kworker+
  7 root      0 -20          0          0    0 I   0.0  0.0 0:00.00 kworker+
  8 root      0 -20          0          0    0 I   0.0  0.0 0:00.00 kworker+
 12 root      20    0          0          0    0 I   0.0  0.0 0:00.00 kworker+
 13 root      0 -20          0          0    0 I   0.0  0.0 0:00.00 kworker+

rap@cis106:~$ uname a
uname: extra operand 'a'
Try 'uname --help' for more information.
rap@cis106:~$ uname -a
Linux cis106 6.12.48+deb13-amd64 #1 SMP PREEMPT_DYNAMIC Debian 6.12.48-1 (2025-0
9-20) x86_64 GNU/Linux
rap@cis106:~$ du -hd1 /home
1.8G    /home/rap
1.8G    /home
rap@cis106:~$

```

## Practice 5

```

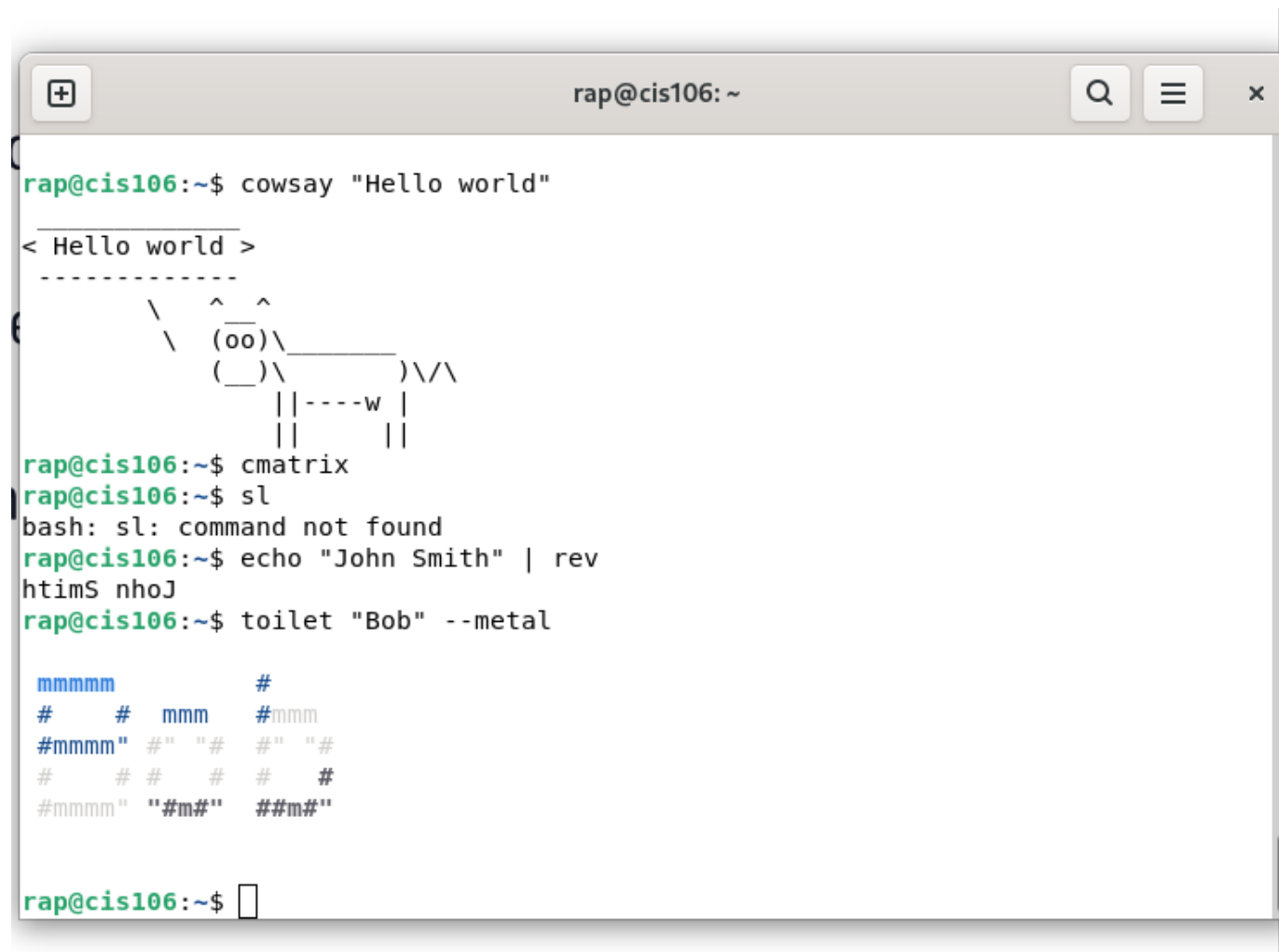
rap@cis106: ~
ata_piix          45056  0
video             81920  0
libata           462848  4 ata_piix,libahci,ahci,ata_generic
usbcore          409600  5 ohci_hcd,ehci_pci,usbhid,ehci_hcd,ohci_pci
i2c_piix4         28672  0
psmouse          217088  0
drm              774144 14 vmwgfx,drm_kms_helper,drm_ttm_helper,ttm
wmi               28672  1 video
button           24576  0
i2c_smbus         16384  1 i2c_piix4
scsi_mod          327680  4 sd_mod,libata,sg,sr_mod
usb_common        16384  3 ohci_hcd,usbcore,ehci_hcd
battery           28672  0
e1000            180224  0
serio_raw         16384  0
crc32_pclmul      12288  0
crc32c_intel      16384  2
scsi_common       16384  5 scsi_mod,sd_mod,libata,sg,sr_mod

rap@cis106:~$ sensors
BAT0-acpi-0
Adapter: ACPI interface
in0:          10.00 V
power1:       N/A

rap@cis106:~$

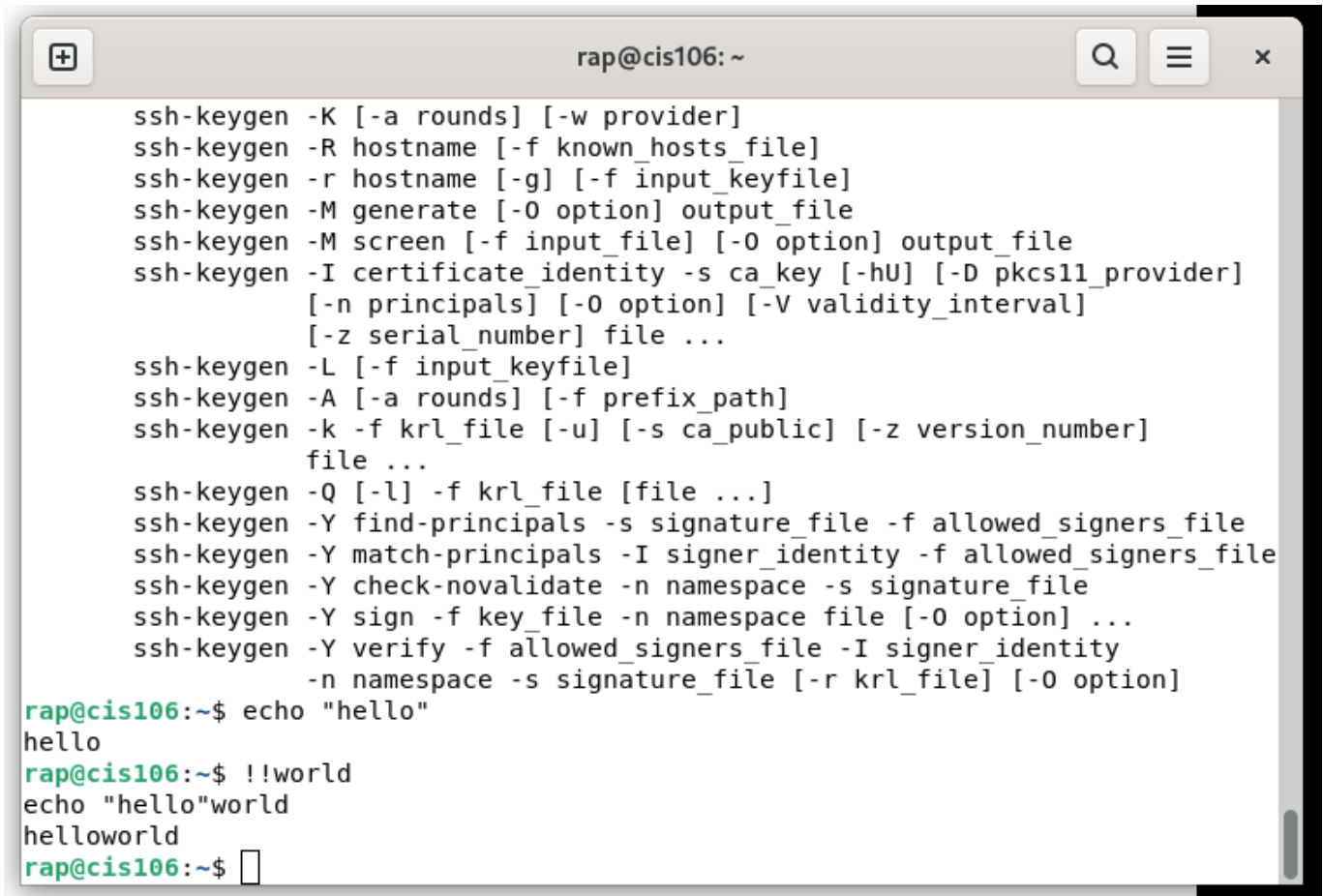
```

## Practice 6



```
rap@cis106: ~  
rap@cis106:~$ cowsay "Hello world"  
< Hello world >  
-----  
      \      ^      ^  
      (oo)\_____  
      (__)\\      )\\/\  
           ||----w |  
           ||     ||  
rap@cis106:~$ cmatrix  
rap@cis106:~$ sl  
bash: sl: command not found  
rap@cis106:~$ echo "John Smith" | rev  
htimS nhoJ  
rap@cis106:~$ toilet "Bob" --metal  
  
mmmmm      #  
#      #   mmm  #mmm  
#mmmm" #" "## #" "  
#      #   #   #   #  
#mmmm" "#m#" ##m#"  
  
rap@cis106:~$
```

## Practice 7



```
rap@cis106: ~  
ssh-keygen -K [-a rounds] [-w provider]  
ssh-keygen -R hostname [-f known_hosts_file]  
ssh-keygen -r hostname [-g] [-f input_keyfile]  
ssh-keygen -M generate [-O option] output_file  
ssh-keygen -M screen [-f input_file] [-O option] output_file  
ssh-keygen -I certificate_identity -s ca_key [-hU] [-D pkcs11_provider]  
               [-n principals] [-O option] [-V validity_interval]  
               [-z serial_number] file ...  
ssh-keygen -L [-f input_keyfile]  
ssh-keygen -A [-a rounds] [-f prefix_path]  
ssh-keygen -k -f krl_file [-u] [-s ca_public] [-z version_number]  
               file ...  
ssh-keygen -Q [-l] -f krl_file [file ...]  
ssh-keygen -Y find-principals -s signature_file -f allowed_signers_file  
ssh-keygen -Y match-principals -I signer_identity -f allowed_signers_file  
ssh-keygen -Y check-novalidate -n namespace -s signature_file  
ssh-keygen -Y sign -f key_file -n namespace file [-O option] ...  
ssh-keygen -Y verify -f allowed_signers_file -I signer_identity  
               -n namespace -s signature_file [-r krl_file] [-O option]  
rap@cis106:~$ echo "hello"  
hello  
rap@cis106:~$ !!world  
echo "hello"world  
helloworld  
rap@cis106:~$
```

## Practice 8

1/1
+
Tilix: rap@cis106: ~

1: rap@cis106: ~

```

rap@cis106:~$ uname -n
cis106
rap@cis106:~$ uname -io
unknown GNU/Linux
rap@cis106:~$ uname -s
Linux
rap@cis106:~$ uname -n
cis106
rap@cis106:~$ uname -io
unknown GNU/Linux
rap@cis106:~$ man date
rap@cis106:~$ man df
rap@cis106:~$ man free
rap@cis106:~$ man clear
rap@cis106:~$ man histroy
No manual entry for histroy
rap@cis106:~$ free --giga

```

	free	total	shared	buff/cache	used	availab le
Mem:	0	0	0	4	3	
Swap:	2	2	0			

```

rap@cis106:~$

```

2: rap@cis106: ~

```

<https://translationpro-
ject.org/team/>

SEE ALSO
    arch(1), uname(2)

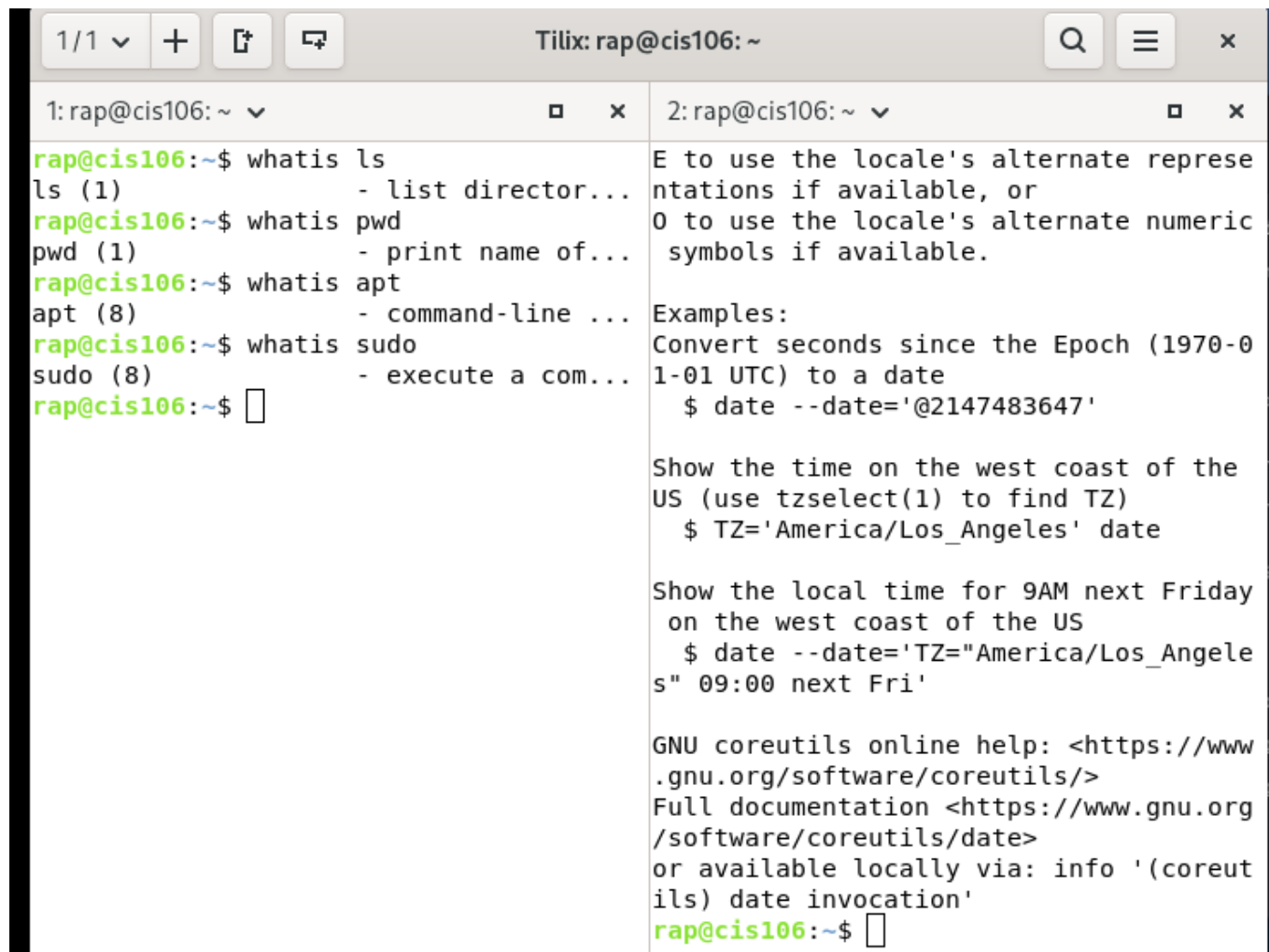
Full documentation
<https://www.gnu.org/soft-
ware/coreutils/uname>
or available locally via: info
'(coreutils) uname invocation'

Packaged by Debian (9.7-3)
Copyright © 2025 Free Software
Foundation, Inc.
License GPLv3+: GNU GPL version
3 or later <https://gnu.org/li-
censes/gpl.html>.
This is free software: you are
free to change and redistribute
it.
There is NO WARRANTY, to the
extent permitted by law.

GNU coreuti... June 2025      UNAME(1)
9 (END) (press h for help or q to quit)

```

## Practice 9



```
Tilix: rap@cis106: ~  
1: rap@cis106: ~  
rap@cis106:~$ whatis ls  
ls (1) - list director...  
rap@cis106:~$ whatis pwd  
pwd (1) - print name of...  
rap@cis106:~$ whatis apt  
apt (8) - command-line ...  
rap@cis106:~$ whatis sudo  
sudo (8) - execute a com...  
rap@cis106:~$  
2: rap@cis106: ~  
E to use the locale's alternate represe  
ntations if available, or  
O to use the locale's alternate numeric  
symbols if available.  
Examples:  
Convert seconds since the Epoch (1970-0  
1-01 UTC) to a date  
$ date --date='@2147483647'  
  
Show the time on the west coast of the  
US (use tzselect(1) to find TZ)  
$ TZ='America/Los_Angeles' date  
  
Show the local time for 9AM next Friday  
on the west coast of the US  
$ date --date='TZ="America/Los_Angele  
s" 09:00 next Fri'  
  
GNU coreutils online help: <https://www.gnu.org/software/coreutils/>  
Full documentation <https://www.gnu.org/software/coreutils/date>  
or available locally via: info '(coreut  
ils) date invocation'  
rap@cis106:~$
```