

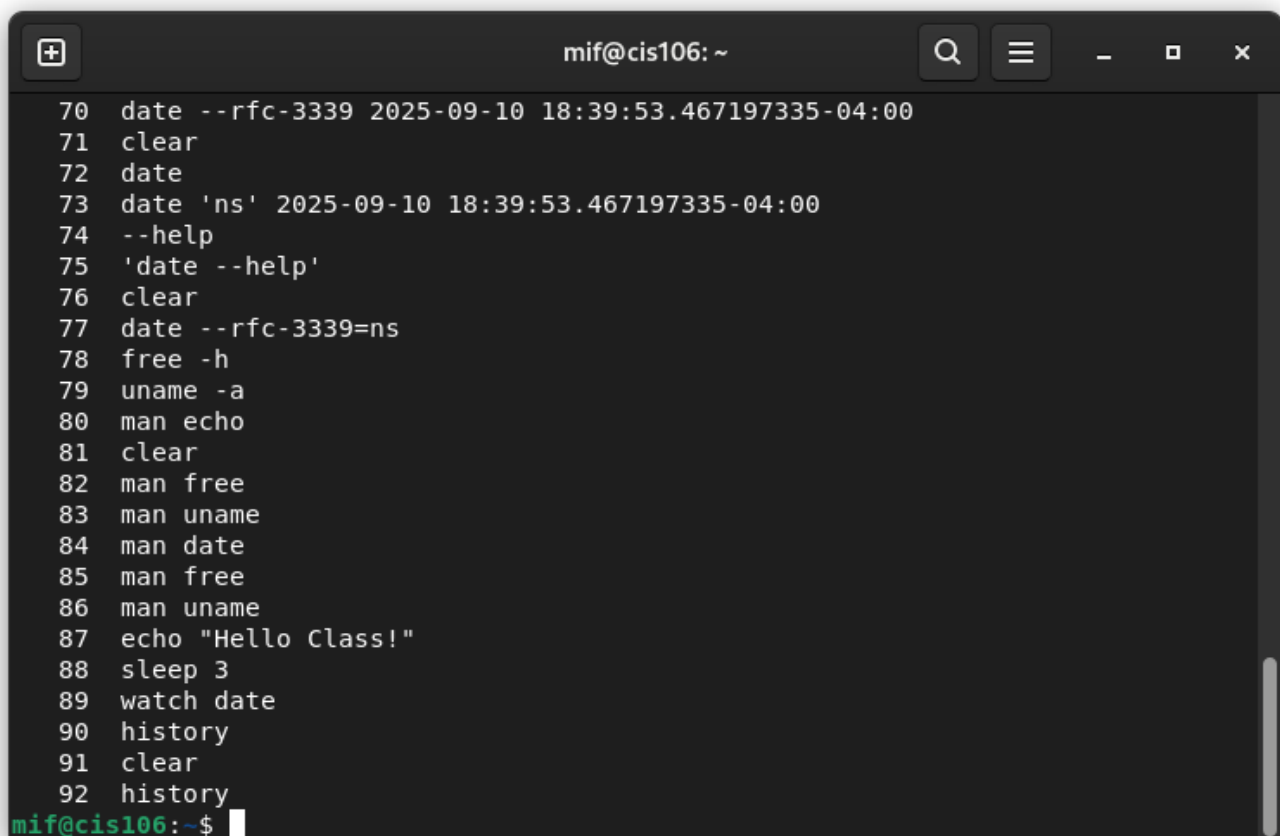
Week Report 3

Completed work for week 3

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

Practice screenshots

Practice 3



```
mif@cis106: ~  
70 date --rfc-3339 2025-09-10 18:39:53.467197335-04:00  
71 clear  
72 date  
73 date 'ns' 2025-09-10 18:39:53.467197335-04:00  
74 --help  
75 'date --help'  
76 clear  
77 date --rfc-3339=ns  
78 free -h  
79 uname -a  
80 man echo  
81 clear  
82 man free  
83 man uname  
84 man date  
85 man free  
86 man uname  
87 echo "Hello Class!"  
88 sleep 3  
89 watch date  
90 history  
91 clear  
92 history  
mif@cis106:~$
```

Practice 4

```

mif@cisl06: ~
2505 mif      20    0 3845028 270200 129480 S   5.3  6.9  1:21.49 gnome-s+
3310 mif      20    0 1409.6g 333908 116832 S   2.0  8.5  2:22.33 code
2567 mif      20    0 305048 114616 76236 S   1.3  2.9  0:23.19 Xwayland
3259 mif      20    0 32.6g 140712 118324 S   0.7  3.6  0:29.93 code
3181 mif      20    0 1393.9g 194408 133996 S   0.3  5.0  0:26.05 code
4607 mif      20    0 547428 49568 39512 S   0.3  1.3  0:01.88 gnome-t+
  1 root      20    0 24180 14940 10756 S   0.0  0.4  0:01.09 systemd
  2 root      20    0      0      0      0 S   0.0  0.0  0:00.02 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+
 11 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+
mif@cisl06:~$ uname -a
Linux cisl06 6.12.48+deb13-amd64 #1 SMP PREEMPT_DYNAMIC Debian 6.12.48-1 (2025-0
9-20) x86_64 GNU/Linux
mif@cisl06:~$ du -hd1 /home
1.4G    /home/mif
1.4G    /home
mif@cisl06:~$

```

Practice 5

```

mif@cisl06: ~
ehci_hcd      110592  1 ehci_pci
ohci_hcd      65536  1 ohci_pci
libata        462848  4 ata_piix,libahci,ahci,ata_generic
usbcore       409600  5 ohci_hcd,ehci_pci,usbhid,ehci_hcd,ohci_pci
video         81920  0
drm           774144 16 vmwgfx,drm_kms_helper,drm_vram_helper,vboxvideo
,drm_ttm_helper,ttm
scsi_mod      327680  4 sd_mod,libata,sg,sr_mod
crc32_pclmul  12288  0
wmi           28672  1 video
psmouse       217088  0
e1000         180224  0
serio_raw     16384  0
crc32c_intel  16384  2
usb_common    16384  3 ohci_hcd,usbcore,ehci_hcd
i2c_piix4     28672  0
i2c_smbus     16384  1 i2c_piix4
scsi_common   16384  5 scsi_mod,sd_mod,libata,sg,sr_mod
button        24576  0
mif@cisl06:~$ sensors
No sensors found!
Make sure you loaded all the kernel drivers you need.
Try sensors-detect to find out which these are.
mif@cisl06:~$

```

Practice 6

```

mif@cis106: ~
> cosway "Hello World"
< Hello Worldcosway Hello World >
-----
      ^ ^
      (oo)\_____
      (__) \       )\/\
            ||----w |
            ||     ||

mif@cis106:~$ cmatrix
mif@cis106:~$ sl
bash: sl: command not found
mif@cis106:~$ echo "John Smith" | rev
htimS nhoJ
mif@cis106:~$ toilet "Bob" --metal

mmmmm      #
#      #   mmm   #mmm
#mmm"  #"  "#   #"  "#
#      #   #   #   #
#mmm"  ""m#"  ##m#"

mif@cis106:~$

```

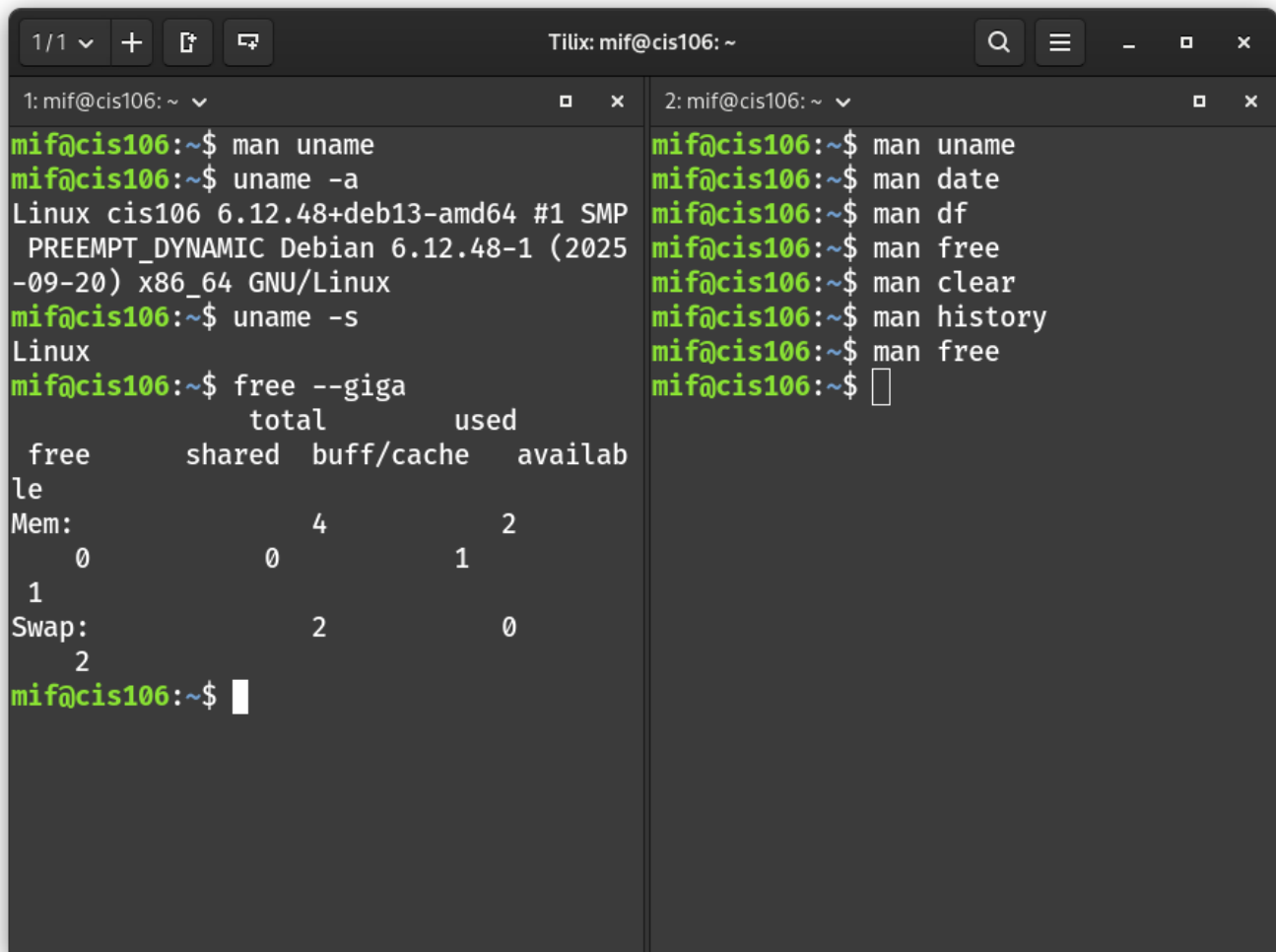
Practice 7

```

mif@cis106: ~
116 sl
117 echo "John Smith" | rev
118 toilet "Bob" --metal
119 clear
120 date
121 echo "hello world"
122 uname -a
123 history
mif@cis106:~$ !121
echo "hello world"
hello world
mif@cis106:~$ !!122
echo "hello world"122
hello world122
mif@cis106:~$ !122
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
mif@cis106:~$ echo "hello"
hello
mif@cis106:~$ !!world
echo "hello"world
helloworld
mif@cis106:~$

```

Practice 8



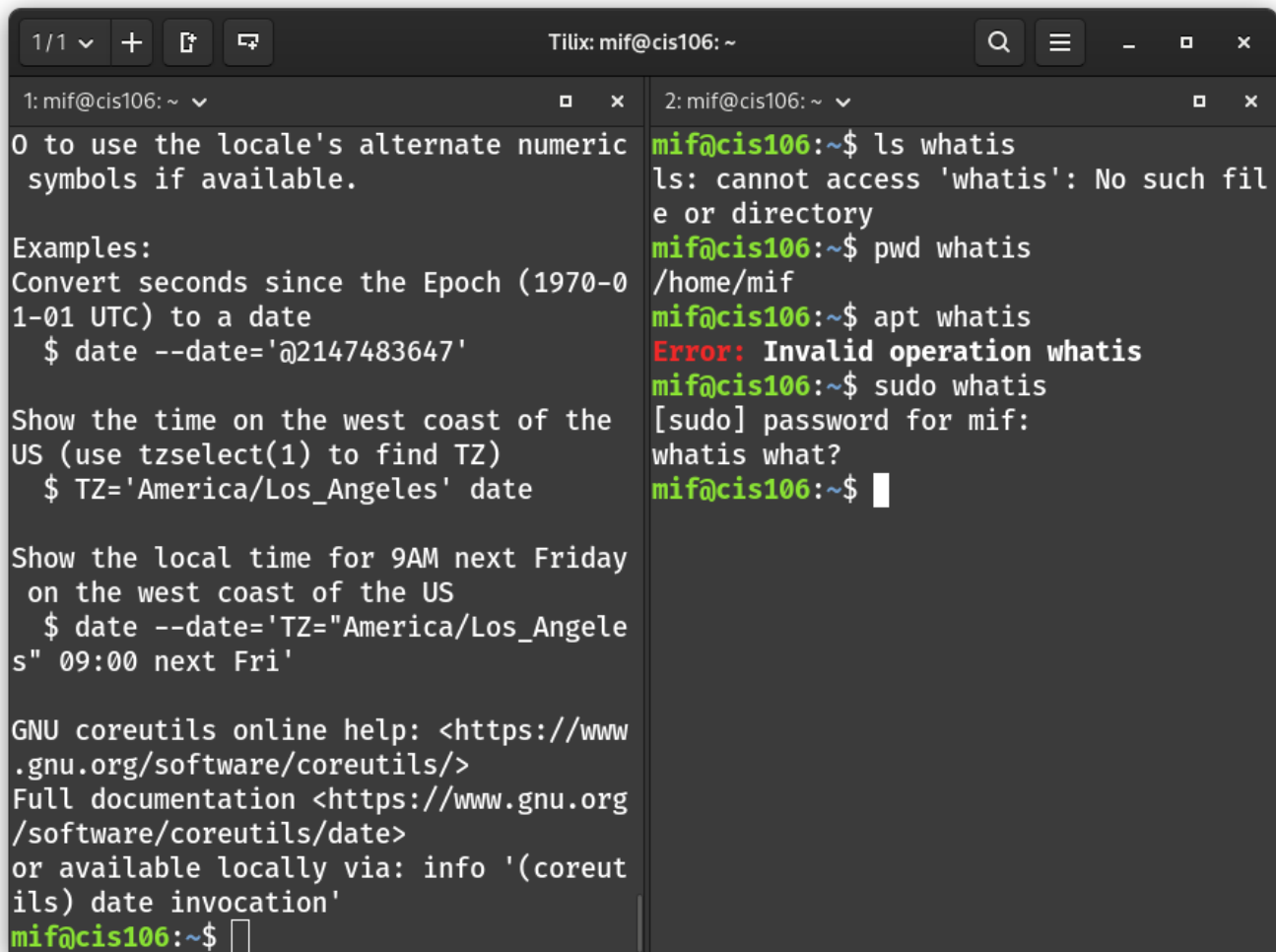
The screenshot shows a terminal window titled "Tilix: mif@cis106: ~" with two panes. The left pane (1: mif@cis106: ~) shows the following commands and output:

```
mif@cis106:~$ man uname
mif@cis106:~$ uname -a
Linux cis106 6.12.48+deb13-amd64 #1 SMP
PREEMPT_DYNAMIC Debian 6.12.48-1 (2025
-09-20) x86_64 GNU/Linux
mif@cis106:~$ uname -s
Linux
mif@cis106:~$ free --giga
              total        used
free  shared buff/cache availab
le
Mem:      0           0          1      2
Swap:      2           0          0
mif@cis106:~$
```

The right pane (2: mif@cis106: ~) shows the following commands and output:

```
mif@cis106:~$ man uname
mif@cis106:~$ man date
mif@cis106:~$ man df
mif@cis106:~$ man free
mif@cis106:~$ man clear
mif@cis106:~$ man history
mif@cis106:~$ man free
mif@cis106:~$
```

Practice 9



```
1/1 + [ ] [ ] Tilix: mif@cis106: ~ [ ] [ ] [ ] [ ] [ ] [ ]
1: mif@cis106: ~ [ ] [ ] 2: mif@cis106: ~ [ ] [ ]
0 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'

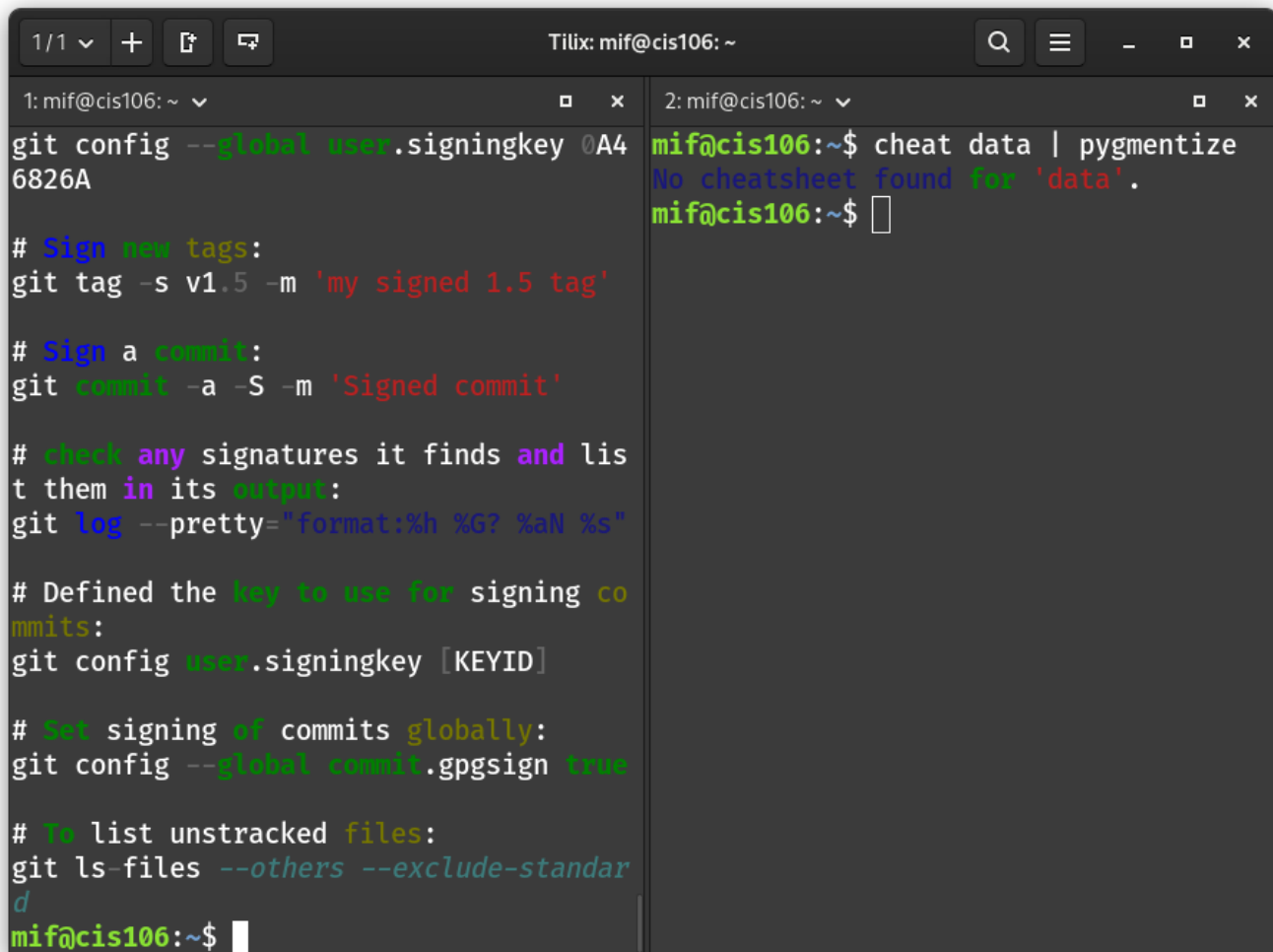
Show the time on the west coast of the
US (use tzselect(1) to find TZ)
$ TZ='America/Los_Angeles' date

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'
mif@cis106:~$ [ ]

mif@cis106:~$ ls whatis
ls: cannot access 'whatis': No such fil
e or directory
mif@cis106:~$ pwd whatis
/home/mif
mif@cis106:~$ apt whatis
Error: Invalid operation whatis
mif@cis106:~$ sudo whatis
[sudo] password for mif:
whatis what?
mif@cis106:~$ [ ]
```

Practice 10



The image shows a Tmux terminal window with two panes. The top bar indicates the session is 'Tmux: mif@cis106: ~'. The left pane (1: mif@cis106: ~) contains a series of Git commands for setting up signing. The right pane (2: mif@cis106: ~) shows the output of a 'cheat' command.

```
1: mif@cis106: ~  
git config --global user.signingkey 0A46826A  
  
# Sign new tags:  
git tag -s v1.5 -m 'my signed 1.5 tag'  
  
# Sign a commit:  
git commit -a -S -m 'Signed commit'  
  
# check any signatures it finds and list them in its output:  
git log --pretty="format:%h %G? %aN %s"  
  
# Defined the key to use for signing commits:  
git config user.signingkey [KEYID]  
  
# Set signing of commits globally:  
git config --global commit.gpgsign true  
  
# To list untracked files:  
git ls-files --others --exclude-standard  
mif@cis106:~$  
  
2: mif@cis106: ~  
mif@cis106:~$ cheat data | pygmentize  
No cheatsheet found for 'data'.  
mif@cis106:~$
```