

Week Report 3

Completed work for week 3

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Practice Screenshots

Practice 3



A screenshot of a terminal window titled "map@cis106: ~". The window contains a series of numbered commands (73 to 95) and their outputs. The commands include bash, clear, date, man, echo, sudo, apt, and mpv. The session ends with the prompt "map@cis106:~\$".

```
73 49
74 bash 49
75 clear
76 date -d "3 years ago"
77 man
78 clear
79 man echo
80 clear
81 man echo
82 echo "i like pcs"
83 echo -n "i like pcs"
84 echo "i like going to the park"
85 echo -e "i like food\nI like rice\nDo you?"
86 clear
87 sudo apt update
88 apt search "video player"
89 sudo apt install mpv
90 echo "Hello Class!"
91 sleep 3
92 watch date
93 history
94 clear
95 history
map@cis106:~$
```

Practice 4

```
map@cis106:~
```

	1867	map	20	0	3818096	248388	124116	S	4.3	6.2	0:48.01	gnome-s+
	3356	map	20	0	547360	49600	39292	S	1.0	1.2	0:03.45	gnome-t+
	10	root	20	0	0	0	0	I	0.3	0.0	0:00.72	kworker+
	37	root	20	0	0	0	0	I	0.3	0.0	0:01.43	kworker+
	946	root	20	0	350300	2504	2224	S	0.3	0.1	0:01.59	VBoxDRM+
	3629	map	20	0	10400	5864	3692	R	0.3	0.1	0:00.05	top
	1	root	20	0	24168	14924	10824	S	0.0	0.4	0:01.81	systemd
	2	root	20	0	0	0	0	S	0.0	0.0	0:00.01	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+
	13	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	kworker+
	14	root	20	0	0	0	0	I	0.0	0.0	0:00.00	rcu_tas+

```
map@cis106:~$ uname -a
Linux cis106 6.12.43+deb13-amd64 #1 SMP PREEMPT_DYNAMIC Debian 6.12.43-1 (2025-0
8-27) x86_64 GNU/Linux
map@cis106:~$ du -hd1 /home
1.2G  /home/map
1.2G  /home
map@cis106:~$
```

Practice 5

```
map@cis106:~
```

psmouse	217088	0
scsi_mod	327680	4 sd_mod,libata,sg,sr_mod
crc32_pclmul	12288	0
i2c_piix4	28672	0
ehci_pci	16384	0
ehci_hcd	110592	1 ehci_pci
usbcore	409600	5 ohci_hcd,ehci_pci,usbhid,ehci_hcd,ohci_pci
battery	28672	0
e1000	180224	0
scsi_common	16384	5 scsi_mod,sd_mod,libata,sg,sr_mod
crc32c_intel	16384	2
serio_raw	16384	0
video	81920	0
i2c_smbus	16384	1 i2c_piix4
usb_common	16384	3 ohci_hcd,usbcore,ehci_hcd
wmi	28672	1 video
button	24576	0

```
map@cis106:~$ sensors
BAT0-acpi-0
Adapter: ACPI interface
in0:          10.00 V
power1:        0.00 W

map@cis106:~$
```

Practice 6

```
map@cis106:~$ cowsay "Hello World"
< Hello World >
-----
 \ ^ ^
 (oo)\_____
 (_)\____)\/\
 ||----w |
 ||     ||
map@cis106:~$ cmatrix
map@cis106:~$ sl
bash: sl: command not found
map@cis106:~$ echo "John Smith" | rev
htimS nhoJ
map@cis106:~$ toilet "Bob" --metal

mmmmmm      #
#      #  mmm  #mmm
#mmmmmm" "#  "#  "#  "##
#      #  #  #  #  #
#mmmmmm" "#m#"  ##m##"

map@cis106:~$
```

Practice 7

```
map@cis106:~$ 
124 date
125 echo "hello world"
126 uname -a
127 history
128 echo "hello"
echo "hello"
clear
129 clear
130 date
131 echo "Hello World"
132 uname -a
133 history
map@cis106:~$ !#

map@cis106:~$ !131
echo "Hello World"
Hello World
map@cis106:~$ !!
echo "Hello World"
Hello World
map@cis106:~$ !!world
echo "Hello World"world
Hello Worldworld
map@cis106:~$
```

Practice 8

Tilix: map@cis106: ~

```
1: map@cis106: ~
map@cis106:~$ uname -s
Linux
map@cis106:~$ uname -n
cis106
map@cis106:~$ uname -io
unknown GNU/Linux
map@cis106:~$ man date
map@cis106:~$ man df
map@cis106:~$ man free
map@cis106:~$ man clear
map@cis106:~$ man history
map@cis106:~$ free --giga
      total        used
free       shared   buff/cache   available
Mem:           4          1
              0          1
Swap:          2          0
              2
map@cis106:~$
```

SEE ALSO

arch(1), uname(2)

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

Packaged by Debian (9.7-3)
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 License GPLv3+: GNU GPL version 3 or later <<https://gnu.org/licenses/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

Oct 12 7:32 PM

Tilix: map@cis106: ~

```
1: map@cis106: ~
%U week number of year, with Sunday as first day of week (00..53)
%V ISO week number, with Monday as first day of week (01..53)
%w day of week (0..6); 0 is Sunday
%W week number of year, with Monday as first day of week (00..53)
%x locale's date (can be ambiguous; e.g., 12/31/99)
%X locale's time representation (e.g., 23:13:48)
%y last two digits of year (ambiguous; 00..99)
%y year
%z +hhmm numeric time zone (e.g., -0400)
%:z +hh:mm numeric time zone (e.g., -04:00)
%::z +hh:mm:ss numeric time zone (e.g., -04:00:00)
%:::z numeric time zone with : to necessary precision (e.g., -04, +05:30)
%Z alphabetic time zone abbreviation (e.g., EDT)

By default, date pads numeric fields with zeroes.
The following optional flags may follow '%':
  - (hyphen) do not pad the field
  (underscore) pad with spaces
  0 (zero) pad with zeros
  + pad with zeros, and put '+' before future years with >4 digits
  ^ use upper case if possible
  # use opposite case if possible

After any flags comes an optional field width, as a decimal number;
then an optional modifier, which is either
E to use the locale's alternate representations if available, or
O to use the locale's alternate numeric symbols if available.

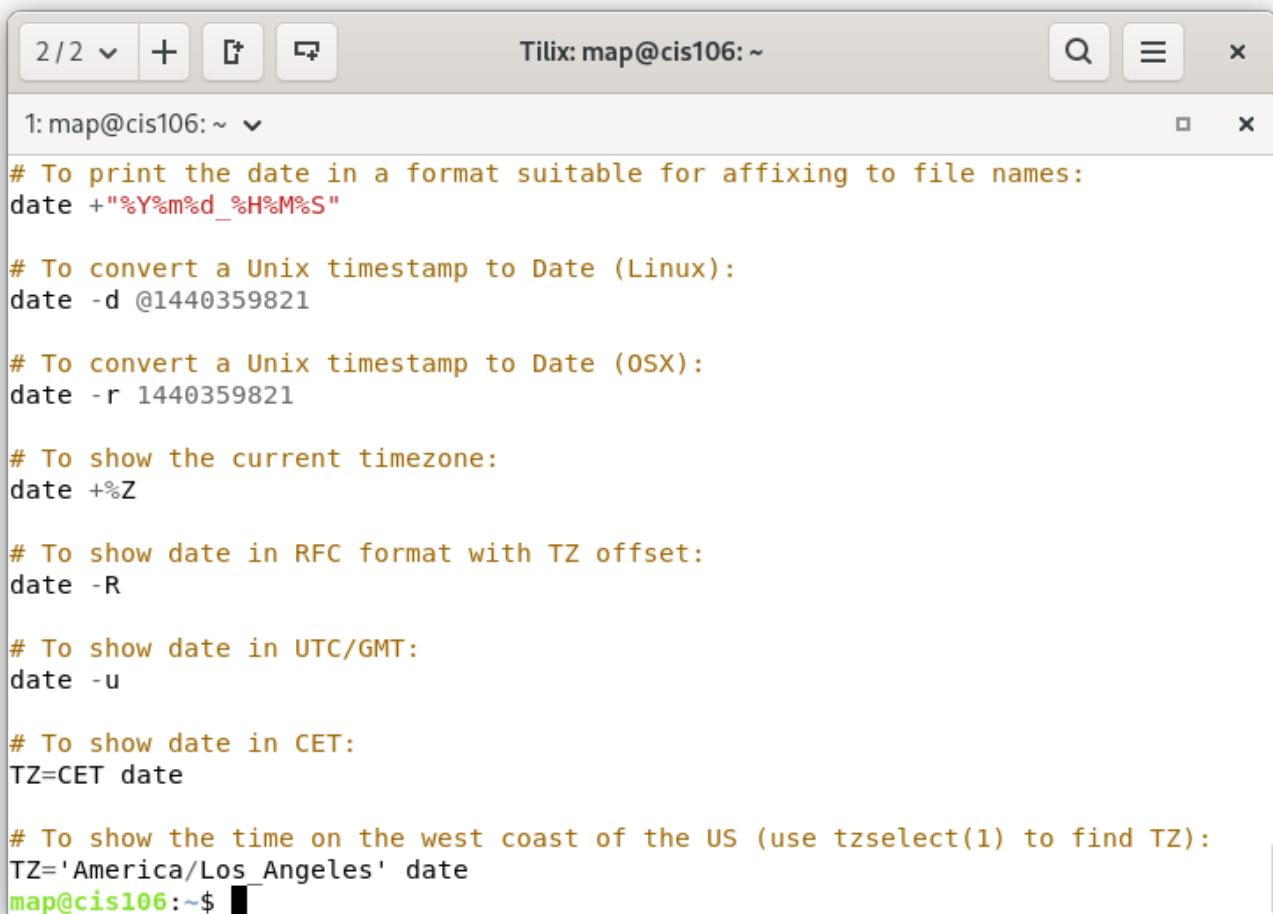
Examples:
Convert seconds since the Epoch (1970-01-01 UTC) to a date
$ date --date="@2147483647"

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_Angeles' 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 '(coreutils) date invocation'
map@cis106:~$
```

Practice 10



The screenshot shows a terminal window titled "Tilix: map@cis106: ~". The window has a header bar with icons for file operations and search. The main area contains a series of terminal commands demonstrating various ways to use the "date" command:

```
1: map@cis106: ~
# To print the date in a format suitable for affixing to file names:
date +"%Y%m%d_%H%M%S"

# To convert a Unix timestamp to Date (Linux):
date -d @1440359821

# To convert a Unix timestamp to Date (OSX):
date -r 1440359821

# To show the current timezone:
date +%Z

# To show date in RFC format with TZ offset:
date -R

# To show date in UTC/GMT:
date -u

# To show date in CET:
TZ=CET date

# To show the time on the west coast of the US (use tzselect(1) to find TZ):
TZ='America/Los_Angeles' date
map@cis106:~$ █
```