

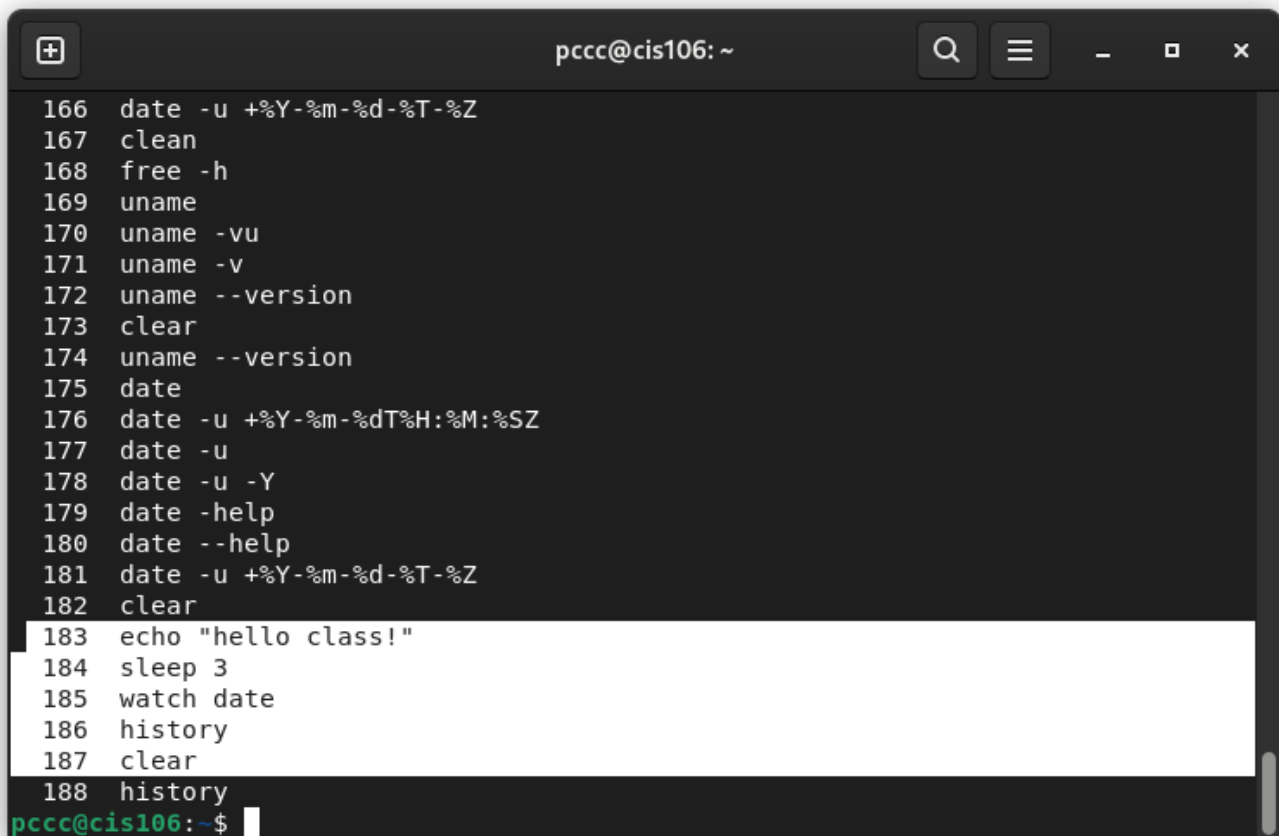
Week Report 3

Completed work for week 3

- [lab3](#)
- [notes3](#)

Practice screenshots

Practice 3



```
pccc@cis106: ~  
166 date -u +%Y-%m-%d-%T-%Z  
167 clean  
168 free -h  
169 uname  
170 uname -vu  
171 uname -v  
172 uname --version  
173 clear  
174 uname --version  
175 date  
176 date -u +%Y-%m-%dT%H:%M:%SZ  
177 date -u  
178 date -u -Y  
179 date -help  
180 date --help  
181 date -u +%Y-%m-%d-%T-%Z  
182 clear  
183 echo "hello class!"  
184 sleep 3  
185 watch date  
186 history  
187 clear  
188 history  
pccc@cis106:~$
```

Practice 4

```

pccc@cis106: ~
36 root      20   0   0   0   0 S   0.0  0.0  0:00.00 oom_rea+
38 root      0 -20   0   0   0 I   0.0  0.0  0:00.00 kworker+
39 root      20   0   0   0   0 S   0.0  0.0  0:04.67 kcompac+
40 root      25   5   0   0   0 S   0.0  0.0  0:00.00 ksmd
41 root      39  19   0   0   0 S   0.0  0.0  0:00.71 khugepa+
42 root      0 -20   0   0   0 I   0.0  0.0  0:00.00 kworker+
43 root      0 -20   0   0   0 I   0.0  0.0  0:00.00 kworker+
44 root      0 -20   0   0   0 I   0.0  0.0  0:00.00 kworker+
45 root     -51   0   0   0   0 S   0.0  0.0  0:00.00 irq/9-a+
47 root      0 -20   0   0   0 I   0.0  0.0  0:00.00 kworker+
48 root      0 -20   0   0   0 I   0.0  0.0  0:00.00 kworker+
49 root      0 -20   0   0   0 I   0.0  0.0  0:00.00 kworker+
50 root      0 -20   0   0   0 I   0.0  0.0  0:01.49 kworker+
51 root      20   0   0   0   0 S   0.0  0.0  0:18.79 kswapd0
58 root      0 -20   0   0   0 I   0.0  0.0  0:00.00 kworker+
62 root      0 -20   0   0   0 I   0.0  0.0  0:00.00 kworker+
63 root      0 -20   0   0   0 I   0.0  0.0  0:00.00 kworker+

pccc@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
pccc@cis106:~$ du -hd1 /home
1.6G    /home/pccc
1.6G    /home
pccc@cis106:~$

```

Practice 5

```

pccc@cis106: ~
ttm                106496  2 vmwgfx,drm_ttm_helper
ohci_pci           20480  0
scsi_mod           327680  4 sd_mod,libata,sg,sr_mod
ohci_hcd           65536  1 ohci_pci
ehci_pci           16384  0
ehci_hcd           110592  1 ehci_pci
drm_kms_helper     253952  2 vmwgfx,drm_ttm_helper
usbcore            409600  5 ohci_hcd,ehci_pci,usbhid,ehci_hcd,ohci_pci
psmouse            217088  0
crc32_pclmul       12288  0
video              81920  0
i2c_piix4          28672  0
wmi                 28672  1 video
crc32c_intel       16384  2
e1000              180224  0
serio_raw          16384  0
i2c_smbus          16384  1 i2c_piix4
scsi_common         16384  5 scsi_mod,sd_mod,libata,sg,sr_mod
button             24576  0
drm                 774144  15 vmwgfx,drm_kms_helper,drm_ttm_helper,ttm
usb_common          16384  3 ohci_hcd,usbcore,ehci_hcd

pccc@cis106:~$ sensors
No sensors found!
Make sure you loaded all the kernel drivers you need.

```

Practice 6

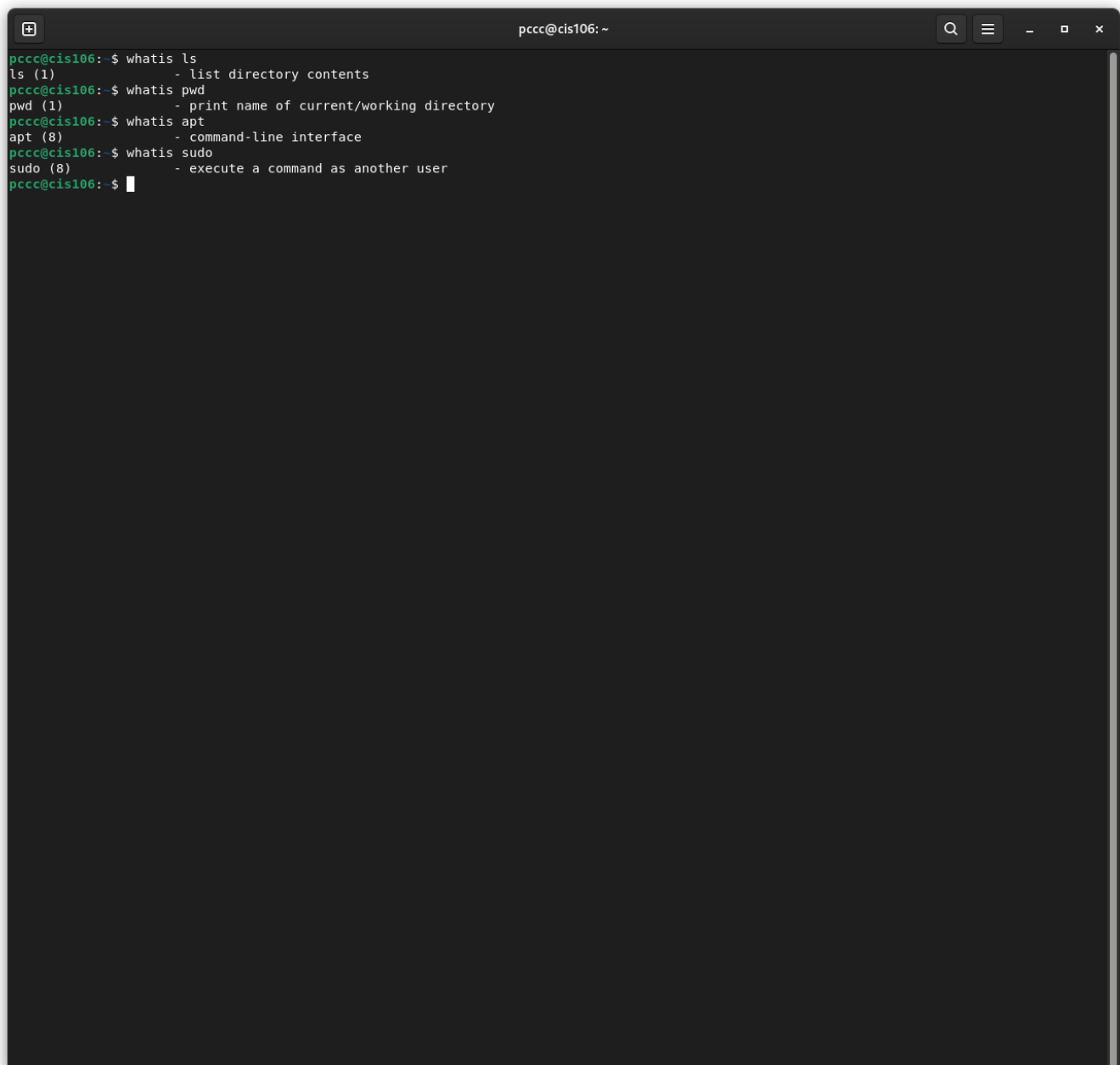
Practice 7

```
pccc@cis106: ~  
186 history  
187 clear  
188 history  
189 clear  
190 whoami  
191 uptime  
192 hostname  
193 free -h  
194 df -h  
195 uname -a  
196 du -hd1 /home  
197 clear  
198 lscpu  
199 lsusb  
200 lspci  
201 lsblk  
202 inxi  
203 lsmod  
204 sensors  
205 clat  
206 clear  
207 fortune  
208 figlet "John Doe"  
209 cowsay " Hello world"  
210 cmatrix  
211 sl  
212 echo "John Smith | rev  
213 w  
214 clear  
215 toilet "bob" --metal  
216 echo "John Smith | rev  
echo "John Smith | rev  
217 sl  
218 cmatrixcmatrixcmatrixcmatrix  
219 clear  
220 fortune  
221 figlet "John Doe"  
222 cowsay "Hello world"  
223 cmatrix  
224 sl  
225 echo "John Smith" | rev  
226 toiler "Bob" --metal  
227 toilet "Bob" --metal  
228 clear  
229 date  
230 echo "hello world"  
231 uname -a  
232 history  
pccc@cis106:~$ !#215  
215  
bash: 215: command not found  
pccc@cis106:~$ !#  
  
pccc@cis106:~$ !!  
215  
bash: 215: command not found  
pccc@cis106:~$ !!world  
215world  
bash: 215world: command not found  
pccc@cis106:~$ echo "hello"  
hello  
pccc@cis106:~$ !!world  
echo "hello"world  
helloworld  
pccc@cis106:~$
```

Practice 8

```
pccc@cis106: ~  
185 watch date  
186 history  
187 clear  
188 history  
189 clear  
190 whoami  
191 uptime  
192 hostname  
193 free -h  
194 df -h  
195 uname -a  
196 du -hd1 /home  
197 clear  
198 lscpu  
199 lsusb  
200 lspci  
201 lsblk  
202 inxi  
203 lsmod  
204 sensors  
205 clar  
206 clear  
207 fortune  
208 figlet "John Doe"  
209 cowsay " Hello world"  
210 cmatrix  
211 sl  
212 echo "John Smith | rev  
213 w  
214 clear  
215 toilet "bob" --metal  
216 echo "John Smith | rev  
echo "John Smith | rev  
217 sl  
218 cmatrixcmatrixcmatrixcmatrix  
219 clear  
220 fortune  
221 figlet "John Doe"  
222 cowsay "Hello world"  
223 cmatrix  
224 sl  
225 echo "John Smith" | rev  
226 toiler "Bob" --metal  
227 toilet "Bob" --metal  
228 clear  
229 date  
230 echo "hello world"  
231 uname -a  
232 history  
233 215  
234 215world  
235 echo "hello"  
236 echo "hello"world  
237 clear  
238 man uname  
239 date  
240 df  
241 free  
242 clear  
243 history  
pccc@cis106: $ free  
              total        used        free      shared  buff/cache   available  
Mem:           4016024       3467836       326008       130856       599736       548188  
Swap:          2715644       2709304         6340  
pccc@cis106: $
```

Practice 9

A terminal window with a dark background and light green text. The window title is 'pccc@cis106: ~'. It shows the output of the 'whatis' command for four different commands: 'ls', 'pwd', 'apt', and 'sudo'. Each command is followed by its man page number in parentheses and a brief description. The cursor is at the end of the last prompt.

```
pccc@cis106: ~  
pccc@cis106: $ whatis ls  
ls (1)          - list directory contents  
pccc@cis106: $ whatis pwd  
pwd (1)         - print name of current/working directory  
pccc@cis106: $ whatis apt  
apt (8)         - command-line interface  
pccc@cis106: $ whatis sudo  
sudo (8)        - execute a command as another user  
pccc@cis106: $
```

Practice 10

```
pccc@cis106: ~  
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  
pccc@cis106: $ sudo apt install python3-pygments  
python3-pygments is already the newest version (2.18.0+dfsg-2).  
python3-pygments set to manually installed.  
Summary:  
  Upgrading: 0, Installing: 0, Removing: 0, Not Upgrading: 20  
pccc@cis106: $ cheat echo | pygmentize  
No cheatsheet found for 'echo'.  
pccc@cis106: $ cheat date | pygmentize  
# To print Abbreviated weekday name:  
date +%a  
  
# To print Full month name:  
date +%B  
  
# To print ISO date (same as %Y-%m-%d):  
date +%F  
  
# To print Time (same as %H:%M:%S):  
date +%T  
  
# To print Sunday week number (00 to 53):  
date +%U  
  
# To print Monday week number (00 to 53):  
date +%W  
  
# To print Time (localized):  
date +%X  
  
# To print 4-digit year:  
date +%Y  
  
# To print Timezone name:  
date +%Z  
# 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  
pccc@cis106: $
```