

# Week report 3

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## Completed work for week 3

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

## Practice screenshots

### Practice 3

A screenshot of a terminal window titled "ilovetrains28@cis106: ~". The window contains a series of numbered commands (77 to 98) demonstrating various Linux shell commands like cowsay, clear, date, echo, man, sleep, and history. The output of the commands shows a cow saying "u guys r cool", the current date and time, and a message about learning bash commands. The terminal prompt at the bottom is "ilovetrains28@cis106:~\$".

```
77 cowsay "u guys r cool" | lolcat
78 clear
79 date -u
80 clear "
81 lll'
82 clear
83 echo
84 clear
85 echo -e "hello people\nhow are you today"
86 echo -n "hello\nToday we learned bash\nand a bunch of commands \nI hope y
ou are
87 clear
88 echo -n "this is a message"
89 echo "today is"; date
90 echo -n "today's date is"; date
91 clear
92 man echo
93 echo "hello class"
94 sleep 3
95 watch date
96 history
97 clear
98 history
ilovetrains28@cis106:~$
```

### Practice 4

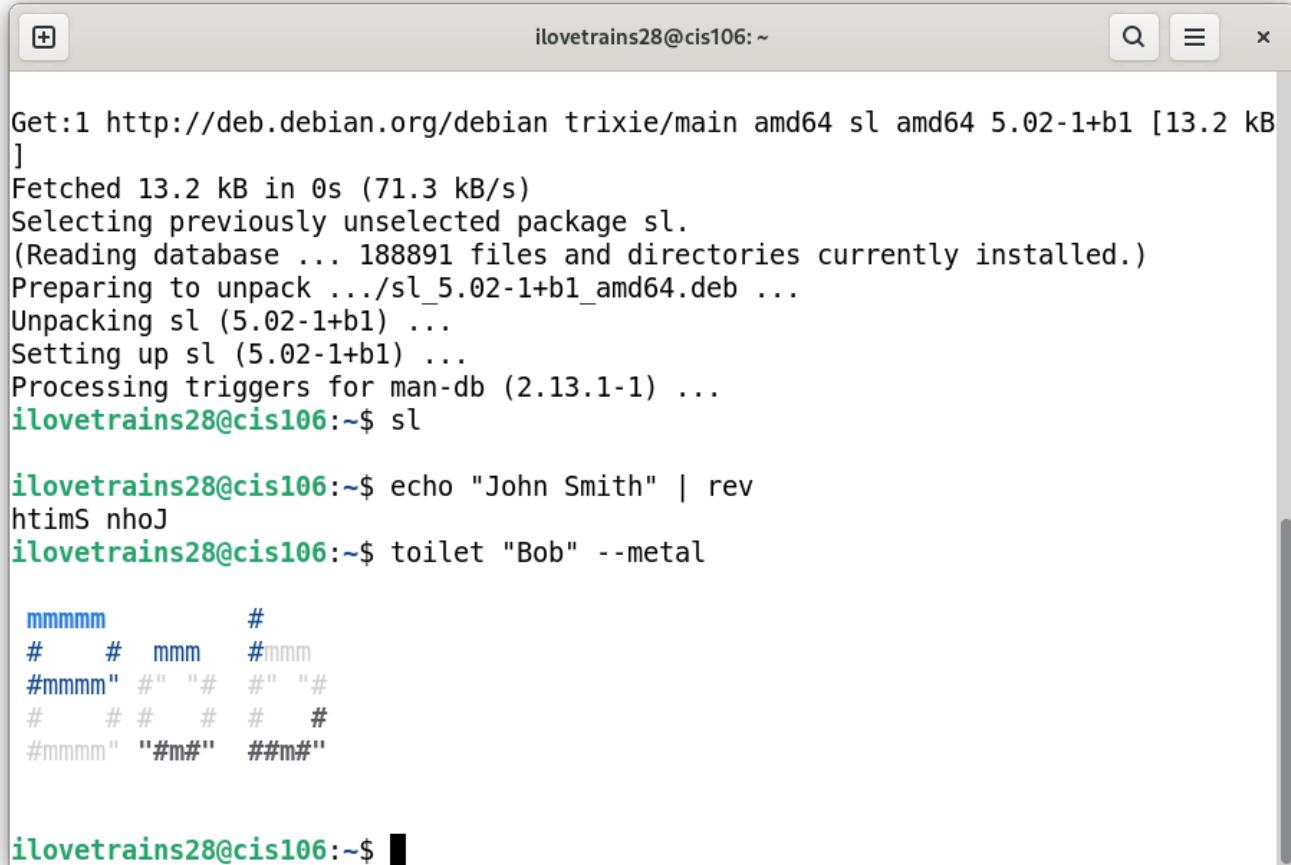
```
ilovetrains28@cis106: ~
+ 2793 ilovetr+ 20 0 3099460 438192 178696 S 3.0 10.9 1:10.32 firefox+
+ 1851 ilovetr+ 20 0 3989584 423180 158292 S 1.3 10.5 1:32.92 gnome-s+
+ 3444 ilovetr+ 20 0 2730380 258448 95560 S 0.3 6.4 0:01.80 Isolate+
+ 3470 ilovetr+ 20 0 2425420 77164 63988 S 0.3 1.9 0:08.92 Web Con+
+ 4485 ilovetr+ 20 0 2425436 77840 64020 S 0.3 1.9 0:00.23 Web Con+
+ 4525 ilovetr+ 20 0 10396 5848 3672 R 0.3 0.1 0:00.11 top
  1 root 20 0 24244 14872 10728 S 0.0 0.4 0:01.95 systemd
  2 root 20 0 0 0 0 S 0.0 0.0 0:00.03 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+
ilovetrains28@cis106:~$ uname -a
Linux cis106 6.12.63+deb13-amd64 #1 SMP PREEMPT_DYNAMIC Debian 6.12.63-1 (2025-1-2-30) x86_64 GNU/Linux
ilovetrains28@cis106:~$ du -hd1 /home
1.3G /home/ilovetrains28
1.3G /home
ilovetrains28@cis106:~$
```

## Practice 5

```
libata          462848  4 ata_piix,libahci,ahci,ata_generic
usbcore         409600  5 ohci_hcd,ehci_pci,usbhid,ehci_hcd,ohci_pci
drm             774144  8 vmwgfx,drm_kms_helper,drm_ttm_helper,ttm
psmouse        217088  0
crc32_pclmul   12288  0
video           81920  0
i2c_piix4      28672  0
crc32c_intel   16384  2
e1000          180224  0
scsi_mod        327680  4 sd_mod,libata,sg,sr_mod
usb_common      16384  3 ohci_hcd,usbcore,ehci_hcd
wmi             28672  1 video
i2c_smbus       16384  1 i2c_piix4
serio_raw       16384  0
button          24576  0
battery          28672  0
scsi_common     16384  5 scsi_mod,sd_mod,libata,sg,sr_mod
ilovetrains28@cis106:~$ sensors
BAT0-acpi-0
Adapter: ACPI interface
in0:          10.00 V
power1:        N/A

ilovetrains28@cis106:~$
```

## Practice 6



```
Get:1 http://deb.debian.org/debian trixie/main amd64 sl amd64 5.02-1+b1 [13.2 kB]
]
Fetched 13.2 kB in 0s (71.3 kB/s)
Selecting previously unselected package sl.
(Reading database ... 188891 files and directories currently installed.)
Preparing to unpack .../sl_5.02-1+b1_amd64.deb ...
Unpacking sl (5.02-1+b1) ...
Setting up sl (5.02-1+b1) ...
Processing triggers for man-db (2.13.1-1) ...
ilovetrains28@cis106:~$ sl

ilovetrains28@cis106:~$ echo "John Smith" | rev
htimS nhoJ
ilovetrains28@cis106:~$ toilet "Bob" --metal

mmmm# ##
# # mmm #mmm
#mmmm#" "# "# "# "##
# # # # # #
#mmmm#" "#m#" ##m#"

ilovetrains28@cis106:~$
```

## Practice 7

```

125 cowsay "Hello world"
126 cmatrix
127 sl
128 sudo apt install sl -y
129 sl
130 echo "John Smith" | rev
131 toilet "Bob" --metal
132 clear
133 date
134 echo "hello world"
135 uname -a
136 history
ilovetrains28@cis106:~$ !3
--disable-gpu-compositing
bash: --disable-gpu-compositing: command not found
ilovetrains28@cis106:~$ !!
--disable-gpu-compositing
bash: --disable-gpu-compositing: command not found
ilovetrains28@cis106:~$ echo "hello"
hello
ilovetrains28@cis106:~$ !!world
echo "hello"world
helloworld
ilovetrains28@cis106:~$ 

```

## Practice 8

1:ilovetrains28@cis106:~ ~

**NAME**  
uname - print system information

**SYNOPSIS**  
uname [OPTION]...

**DESCRIPTION**  
Print certain system information. With no OPTION, same as -s.

-a, --all  
print all information, in the following order, except omit -p and -i if unknown:

-s, --kernel-name  
print the kernel name

Manual page uname(1) line 1 (press h for help or q to quit)

Tilix: ilovetrains28@cis106:~

```

Linux
ilovetrains28@cis106:~$ uname -n
cis106
ilovetrains28@cis106:~$ uname -io
unknown GNU/Linux
ilovetrains28@cis106:~$ uname -s
Linux
ilovetrains28@cis106:~$ uname -n
cis106
ilovetrains28@cis106:~$ uname -io
uname: invalid option -- 'o'
Try 'uname -help' for more information.
ilovetrains28@cis106:~$ uname -io
unknown
ilovetrains28@cis106:~$ man date
ilovetrains28@cis106:~$ man df
ilovetrains28@cis106:~$ man free
ilovetrains28@cis106:~$ man clear
ilovetrains28@cis106:~$ man history
ilovetrains28@cis106:~$ free -giga
total        used         free      shared  buff/cache   available
Mem:          4           2           0           0           1           1
Swap:         2           0           2
ilovetrains28@cis106:~$ 

```

## Practice 9

The screenshot shows a terminal window titled "Tilix: ilovetrains28@cis106: ~". The window has a light gray header bar with various icons for file operations and search. The main area contains a command-line history:

```
1: ilovetrains28@cis106: ~
ilovetrains28@cis106:~$ whatis ls
ls (6)          - display animations aimed to correct users who accident...
ls (1)          - list directory contents
ilovetrains28@cis106:~$ whatis pwd
pwd (1)        - print name of current/working directory
ilovetrains28@cis106:~$ whatis apt
apt (8)         - command-line interface
ilovetrains28@cis106:~$ whatis sudo
sudo (8)        - execute a command as another user
ilovetrains28@cis106:~$ █
```

## Practice 10

```
# The GPG key used for signing your commits
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
ilovetrains28@cis106:~$ cheat data | pygmentize
No cheatsheet found for 'data'.
ilovetrains28@cis106:~$ █
```