

# Week report 3

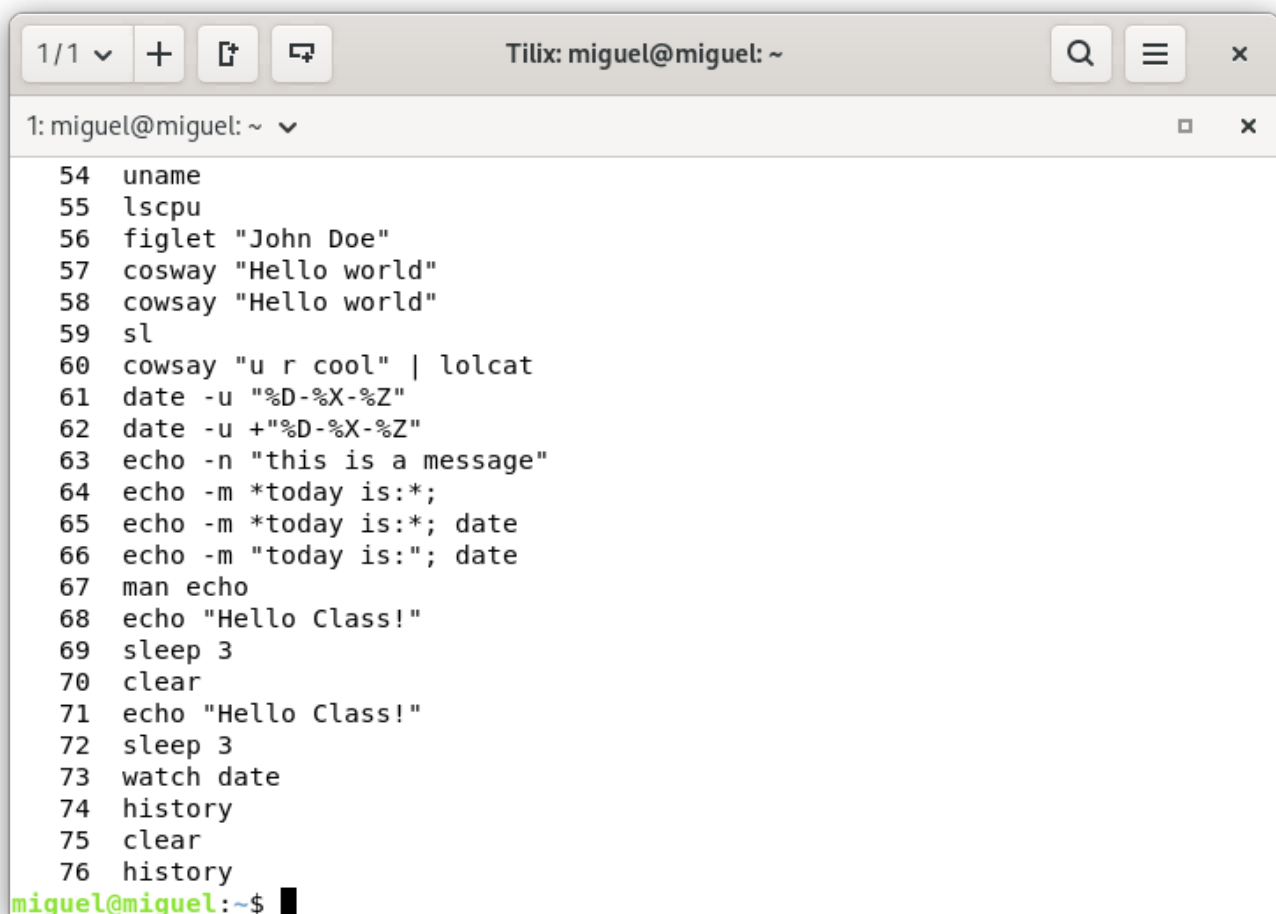
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## Completed work for week 3

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

## Practice screenshots

### Practice 3



The screenshot shows a terminal window titled "Tilix: miguel@miguel: ~". The terminal content lists 23 commands, numbered 54 to 76. The commands are: `uname`, `lscpu`, `figlet "John Doe"`, `cosway "Hello world"`, `cowsay "Hello world"`, `sl`, `cowsay "u r cool" | lolcat`, `date -u "%D-%X-%Z"`, `date -u +"%D-%X-%Z"`, `echo -n "this is a message"`, `echo -m *today is:*`, `echo -m *today is:*; date`, `echo -m "today is: "; date`, `man echo`, `echo "Hello Class!"`, `sleep 3`, `clear`, `echo "Hello Class!"`, `sleep 3`, `watch date`, `history`, `clear`, and `history`. The prompt `miguel@miguel:~$` is visible at the bottom.

```
1/1  +  [?]  [?]  Tilix: miguel@miguel: ~  Q  ≡  x
1: miguel@miguel: ~  ▢  x
54  uname
55  lscpu
56  figlet "John Doe"
57  cosway "Hello world"
58  cowsay "Hello world"
59  sl
60  cowsay "u r cool" | lolcat
61  date -u "%D-%X-%Z"
62  date -u +"%D-%X-%Z"
63  echo -n "this is a message"
64  echo -m *today is:*;
65  echo -m *today is:*; date
66  echo -m "today is: "; date
67  man echo
68  echo "Hello Class!"
69  sleep 3
70  clear
71  echo "Hello Class!"
72  sleep 3
73  watch date
74  history
75  clear
76  history
miguel@miguel:~$
```

### Practice 4

```

1/1  +  [?]  [?]  Tilix: miguel@miguel: ~  Q  ≡  ×
1: miguel@miguel: ~  ▢  ×
2528 miguel  20  0 4018308 330636 95496 S  4.3  8.2  3:10.87 gnome-s+
101 root    20  0      0      0      0 R  1.3  0.0  0:06.05 kworker+
5066 miguel  20  0  578224  69532  51548 R  1.0  1.7  0:04.75 tilix
2371 miguel  20  0  10072   7260   4328 S  0.3  0.2  0:01.12 dbus-da+
3261 miguel  20  0 3637164 450776 110044 S  0.3 11.2  2:22.59 firefox+
4107 miguel  20  0 2757060 202248  51172 S  0.3  5.0  0:17.06 Isolate+
4182 miguel  20  0 2740696 276160  59820 S  0.3  6.9  0:25.34 Isolate+
  1 root    20  0   24116  15248  10736 S  0.0  0.4  0:02.08 systemd
  2 root    20  0      0      0      0 S  0.0  0.0  0:00.00 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+
miguel@miguel:~$ uname -a
Linux miguel 6.12.69+deb13-amd64 #1 SMP PREEMPT_DYNAMIC Debian 6.12.69-1 (2026-0
2-08) x86_64 GNU/Linux
miguel@miguel:~$ du -hd1 /home
1.2G    /home/miguel
1.2G    /home
miguel@miguel:~$ █

```

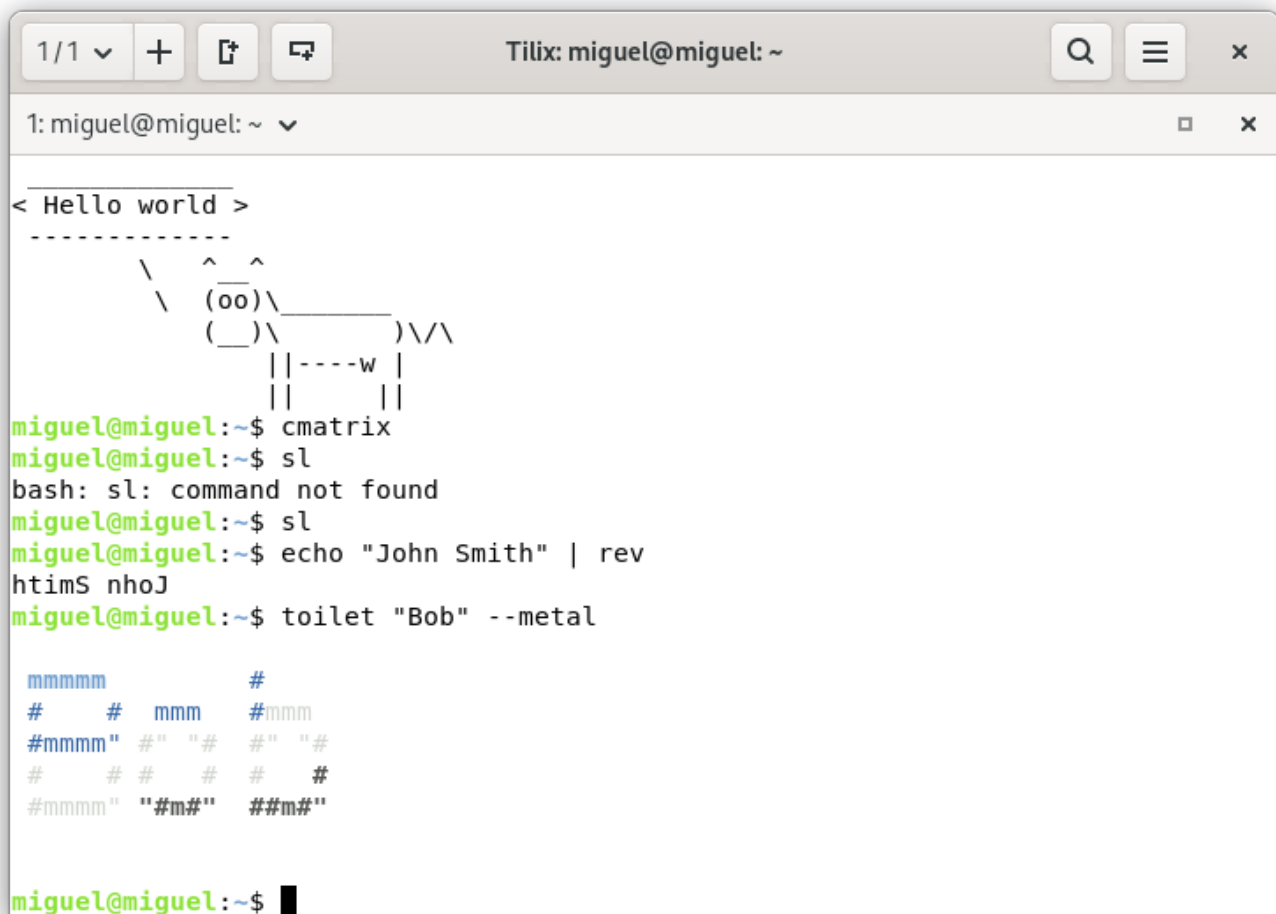
## Practice 5

```

85  lscpu
86  lsusb
87  lspci
88  lsblk
89  inxi
90  lsmod
91  sensors
92  history
miguel@miguel:~$ █

```

## Practice 6



```
1/1  +  [  [  Tilix: miguel@miguel: ~  Q  ≡  x
1: miguel@miguel: ~  ▢  x
< Hello world >
-----
  \   ^__^
   \  (oo)\_______
      (__)\       )\/\
         ||----w |
         ||     ||

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

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

miguel@miguel:~$
```

## Practice 7

```

1/1  +  [ ]  [ ]  Tilix: miguel@miguel: ~
1: miguel@miguel: ~
90  lsmod
91  sensors
92  history
93  fortune
94  figlet "John Doe"
95  cosway "Hello world"
96  cowsay "Hello world"
97  cmatrix
98  sl
99  echo "John Smith" | rev
100 toilet "Bob" --metal
101 date
102 echo "Hello world"
103 uname -a
104 history
miguel@miguel:~$ !!world
history world
bash: history: world: numeric argument required
miguel@miguel:~$ echo "hello"
hello
miguel@miguel:~$ !!world
echo "hello"world
helloworld
miguel@miguel:~$

```

## Practice 8

```

1/1  +  [ ]  [ ]  Tilix: miguel@miguel: ~
1: miguel@miguel: ~
120 uname -0 --operating-system
121 uname -o --operating system
122 man -i
123 man -o
124 man --operating-system
125 man -o --operating-system
126 man --usage
127 -o --operating-system
128 sudo -o --operating-system
129 sudo -o
130 sudo apt-get install hardwareinfo
131 sudo apt-get install hardinfo
132 sudo apt-get install operatingsystem
133 sudo apt-get install optsys
134 uanme -i
135 uname -i --hardware-platform
136 uname -a
137 a.
138 date
139 df
140 free
141 clear
142 history
miguel@miguel:~$

2: miguel@miguel: ~
-m, --machine
    print the machine hard-
    ware name

-p, --processor
    print the processor type
    (non-portable)

-i, --hardware-platform
    print the hardware plat-
    form (non-portable)

-o, --operating-system
    print the operating sys-
    tem

--help display this help and
    exit

--version
    output version informa-
    tion and exit

ge uname(1) line 34/89 61% (press h for help or q to quit)

```

## Practice 9

```

1/1  +  [ ]  [x]  Tilix: miguel@miguel: ~
1: miguel@miguel: ~
$ 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/c
oreutils/>
Full documentation <https://www.gnu.org/software/coreutils
/date>
or available locally via: info '(coreutils) date invocatio
n'
miguel@miguel:~$ ls whatis
ls: cannot access 'whatis': No such file or directory
miguel@miguel:~$ whatis ls
ls (1)          - list directory contents
miguel@miguel:~$ whatis pwd
pwd (1)         - print name of current/working di...
miguel@miguel:~$ whatis apt
apt (8)         - command-line interface
miguel@miguel:~$ whatis sudo
sudo (8)        - execute a command as another user
miguel@miguel:~$

2: miguel@miguel: ~
-m, --machine
    print the machine hard-
    ware name

-p, --processor
    print the processor type
    (non-portable)

-i, --hardware-platform
    print the hardware plat-
    form (non-portable)

-o, --operating-system
    print the operating sys-
    tem

--help display this help and
    exit

--version
    output version informa-
    tion and exit

ge uname(1) line 34/89 61% (press h for help or q to quit)

```

## Practice 10

```

1/1  +  [ ]  [x]  Tilix: miguel@miguel: ~
1: miguel@miguel: ~
205 cheat date
206 cheat git
207 sudo apt install python3-pygments -y
208 cheat git | pygmentize
209 cheat data | pygmentize
210 cheat data
211 tldr data
212 tldr --seed-config
213 tldr -u
214 sudo apt install tealdeer -y
215 tldr -u
216 tldr tar
217 tldr -show-paths
218 tldr --s
219 tldr --show-paths
220 cheat data | pygmentize
221 cheat apt install data
222 apt install data cheat
223 cheat install -data
224 cheat data | pygmentize
225 sudo apt install python3-pygments -y
226 cheat data | pygmentize
227 history
miguel@miguel:~$

```