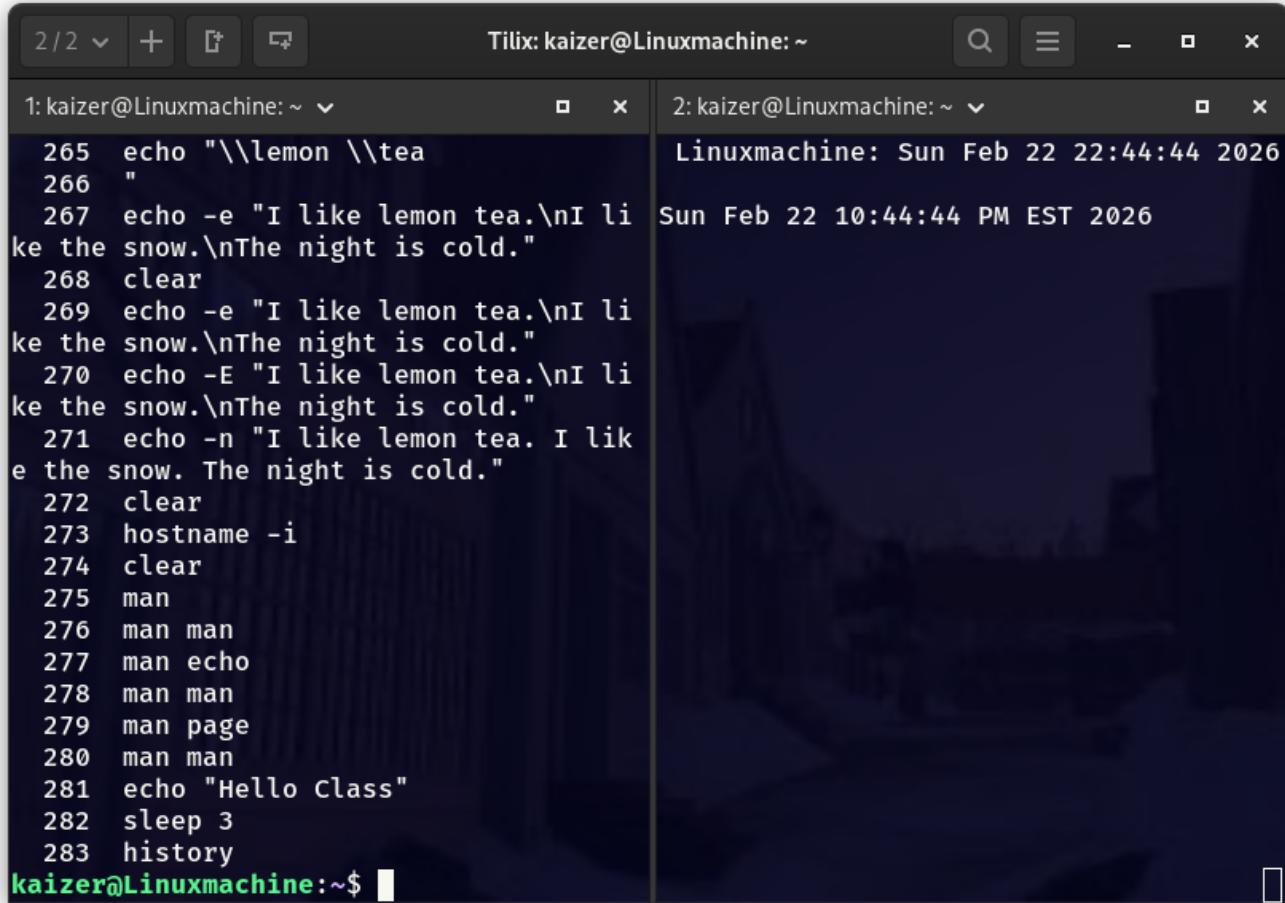


# Week Report 3

## Complete work for week3

### Practice 3



```

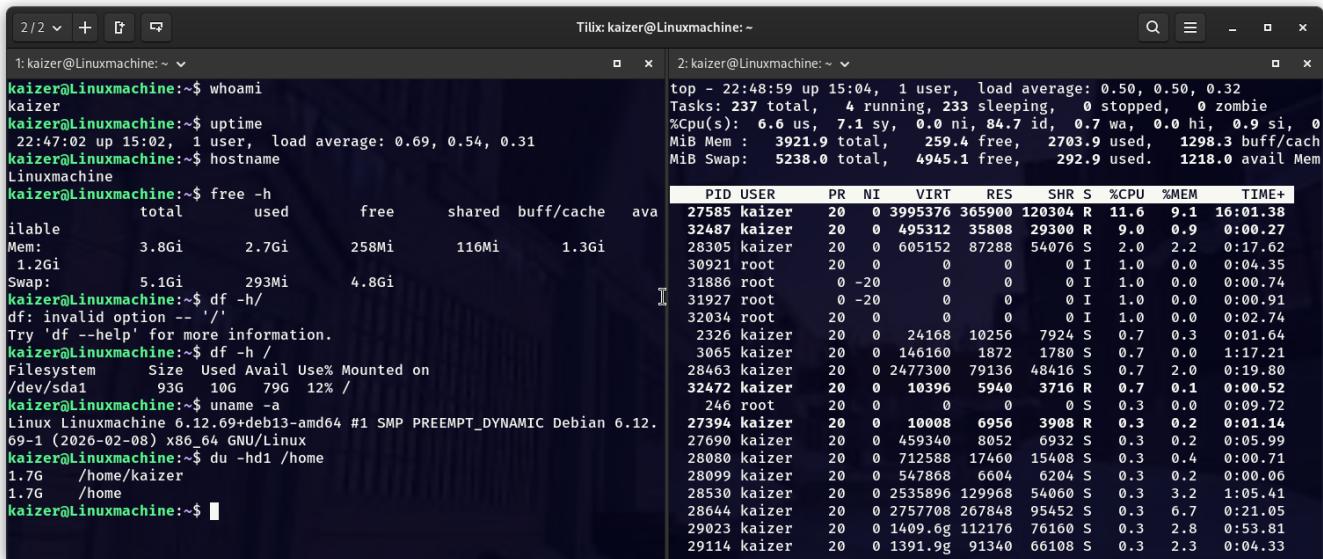
1: kaizer@Linuxmachine: ~
265 echo "\\lemon \\tea
266 "
267 echo -e "I like lemon tea.\nI like
ke the snow.\nThe night is cold."
268 clear
269 echo -e "I like lemon tea.\nI like
ke the snow.\nThe night is cold."
270 echo -E "I like lemon tea.\nI like
ke the snow.\nThe night is cold."
271 echo -n "I like lemon tea. I like
the snow. The night is cold."
272 clear
273 hostname -i
274 clear
275 man
276 man man
277 man echo
278 man man
279 man page
280 man man
281 echo "Hello Class"
282 sleep 3
283 history
kaizer@Linuxmachine:~$ 
```

2: kaizer@Linuxmachine: ~

Linuxmachine: Sun Feb 22 22:44:44 2026

Sun Feb 22 10:44:44 PM EST 2026

### Practice 4



```

1: kaizer@Linuxmachine: ~
kaizer@Linuxmachine:~$ whoami
kaizer
kaizer@Linuxmachine:~$ uptime
22:47:02 up 15:02, 1 user,  load average: 0.69, 0.54, 0.31
kaizer@Linuxmachine:~$ hostname
Linuxmachine
kaizer@Linuxmachine:~$ free -h
total        used        free      shared  buff/cache   available
Mem:      3.8Gi       2.7Gi      258Mi      116Mi       1.3Gi  1.2Gi
Swap:      5.1Gi       293Mi      4.8Gi
kaizer@Linuxmachine:~$ df -h/
df: invalid option -- '/'
Try 'df --help' for more information.
kaizer@Linuxmachine:~$ df -h /
Filesystem      Size  Used Avail Use% Mounted on
/dev/sda1       93G   10G   79G  12% /
kaizer@Linuxmachine:~$ uname -a
Linux Linuxmachine 6.12.69+deb13-amd64 #1 SMP PREEMPT_DYNAMIC Debian 6.12.69-1 (2026-02-08) x86_64 GNU/Linux
kaizer@Linuxmachine:~$ du -hd1 /home
1.7G  /home/kaizer
1.7G  /home
kaizer@Linuxmachine:~$ 
```

2: kaizer@Linuxmachine: ~

top - 22:48:59 up 15:04, 1 user, load average: 0.50, 0.50, 0.32

Tasks: 237 total, 4 running, 233 sleeping, 0 stopped, 0 zombie

%Cpu(s): 6.6 us, 7.1 sy, 0.0 ni, 84.7 id, 0.7 wa, 0.0 hi, 0.9 si, 0

MiB Mem : 3921.9 total, 259.4 free, 2703.9 used, 1298.3 buff/ cach

MiB Swap: 5238.0 total, 4945.1 free, 292.9 used. 1218.0 avail Mem

PID	USER	PR	NI	VIRT	RES	SHR	S	%CPU	%MEM	TIME+
27585	kaizer	20	0	3995376	365900	120304	R	11.6	9.1	16:01.38
32487	kaizer	20	0	495312	35808	29300	R	9.0	0.9	0:00.27
28305	kaizer	20	0	605152	87288	54076	S	2.0	2.2	0:17.62
30921	root	20	0	0	0	0	I	1.0	0.0	0:04.35
31886	root	0	-20	0	0	0	I	1.0	0.0	0:00.74
31927	root	0	-20	0	0	0	I	1.0	0.0	0:00.91
32034	root	20	0	0	0	0	I	1.0	0.0	0:02.74
2326	kaizer	20	0	24168	10256	7924	S	0.7	0.3	0:01.64
3065	kaizer	20	0	146160	1872	1780	S	0.7	0.0	1:17.21
28463	kaizer	20	0	2477300	79136	48416	S	0.7	2.0	0:19.80
32472	kaizer	20	0	10396	5940	3716	R	0.7	0.1	0:00.52
246	root	20	0	0	0	0	S	0.3	0.0	0:09.72
27394	kaizer	20	0	10008	6956	3908	R	0.3	0.2	0:01.14
27690	kaizer	20	0	459340	8052	6932	S	0.3	0.2	0:05.99
28080	kaizer	20	0	712588	17460	15408	S	0.3	0.4	0:00.71
28099	kaizer	20	0	547868	6604	6204	S	0.3	0.2	0:00.06
28530	kaizer	20	0	2535896	129968	54060	S	0.3	3.2	1:05.41
28644	kaizer	20	0	2757708	267848	95452	S	0.3	6.7	0:21.05
29023	kaizer	20	0	1409.6g	112176	76160	S	0.3	2.8	0:53.81
29114	kaizer	20	0	1391.9g	91340	66108	S	0.3	2.3	0:04.33

## Practice 5

```
2 / 2 + Q X Tilia: kaizer@Linuxmachine: ~
1: kaizer@Linuxmachine: ~
kaizer@Linuxmachine:~$ sensors
BAT0-acpi-0
Adapter: ACPI interface
in0:           10.0 V
power1:        N/A

kaizer@Linuxmachine:~$ lscpu
Architecture:          x86_64
CPU op-mode(s):        32-bit, 64-bit
Address sizes:          42 bits physical, 48 bits virtual
Byte Order:             Little Endian
CPU(s):                2
On-line CPU(s) list:   0,1
Vendor ID:             GenuineIntel
Model name:            Intel(R) Core(TM) Ultra 7 255H
CPU family:            6
Model:                 197
Thread(s) per core:    1
Core(s) per socket:    2
Socket(s):             1
Stepping:              2
BogoMIPS:              7372.80
Flags:                 fpu vme de pse tsc msr pae mce cx8 apic sep mtrr p
ge mca cmov pat pse36 clflush mmx fxsr sse sse2 ht
 syscall nx rdtsvp lm constant_tsc rep_good nopl x
 topology nonstop_tsc cpuid tsc_known freq pni pclm
 ultdq ssse3 fma cx16 pcid sse4_1 sse4_2 movbe popc
 nt aes xsave avx f16c rdrand hyperervisor lahf_lm ab
 m 3dnowprefetch ibrs Enhanced fgfsbase bmi1 avx2 b
 miz invpcid rdseed adx clflushopt sha_ni arat md_c
lear flush_lid arch_capabilities

Virtualization features:
  Hypervisor vendor: KVM
  Virtualization type: full
  Caches (sum of all):
    L1d: 96 KiB (2 instances)
    L1i: 128 KiB (2 instances)
    L2: 6 MiB (2 instances)
    L3: 48 MiB (2 instances)
NUMA:
  NUMA node(s): 1
  NUMA node0 CPU(s): 0,1
Vulnerabilities:
  Gather data sampling: Not affected
  Indirect target selection: Mitigation: Aligned branch/return thunks
  Itlb multihit:
    L1f: Not affected
    Mds: Not affected
    Meltdown: Not affected
    Mmio stale data: Not affected
    Reg file data sampling: Not affected
    Retbleed: Mitigation: Enhanced IBRS
    Spec rstack overflow: Not affected
    Speculative branch bypass: Vulnerable
    Speculative execution bypass: Vulnerable

2: kaizer@Linuxmachine: ~
kaizer@Linuxmachine:~$ lsusb
Bus 001 Device 001: ID 1d6b:0002 Linux Foundation 2.0 root hub
Bus 002 Device 001: ID 1d6b:0001 Linux Foundation 1.1 root hub
Bus 002 Device 012: ID 80ee:0021 VirtualBox USB Tablet

kaizer@Linuxmachine:~$ lspci
00:00.0 Host bridge: Intel Corporation 440FX - 82441FX PMC [Natoma] (rev 02)
00:01.0 ISA bridge: Intel Corporation 82371SB PII3 ISA [Natoma/Triton II]
00:01.1 IDE interface: Intel Corporation 82371AB/EB/MB PII4 IDE (rev 01)
00:02.0 VGA compatible controller: VMware SVGA II Adapter
00:03.0 Ethernet controller: Intel Corporation 82540EM Gigabit Ethernet Controller (rev 02)
00:04.0 System peripheral: InnoTek Systemberatung GmbH VirtualBox Guest Service
00:05.0 Multimedia audio controller: Intel Corporation 82801AA AC'97 Audio Controller (rev 01)
00:06.0 USB controller: Apple Inc. KeyLargo/Intrepid USB
00:07.0 Bridge: Intel Corporation 82371AB/EB/MB PII4 ACPI (rev 08)
00:0b.0 USB Controller: Intel Corporation 82801FB/FBM/FR/FW (ICH6 Family) USB2 EHCI Controller
00:0d.0 SATA controller: Intel Corporation 82801HM/HEM (ICH8M/ICH8M-E) SATA Controller [AHCI mode] (rev 02)
kaizer@Linuxmachine:~$ lsblk
  NAME  MAJ:MIN RM  SIZE RO TYPE MOUNTPOINTS
  sda    8:0    0  1000  0 disk
    |-sda1  8:1    0  94.9G 0 part /
    |-sda2  8:2    0   1K  0 part
    |-sda5  8:5    0   5.1G 0 part [SWAP]
  sr0   11:0    1  1024M 0 rom
kaizer@Linuxmachine:~$ inxi
CPU: dual core Intel Core Ultra 7 255H (-MCP-) speed: 3686 MHz
Kernel: 6.12.69+deb13-amd64 x86_64 Up: 15h 5m Mem: 2.69/3.83 GiB (70.1%)
Storage: 100 GiB (10.2% used) Procs: 238 Shell: Bash inxi: 3.3.38
kaizer@Linuxmachine:~$ lsmod
Module           Size  Used by
dm_mod          221184  0
cpuid           12288  0
snd_seq_dummy   12288  0
snd_hrtimer     12288  1
snd_seq          110592  7 snd_seq_dummy
snd_seq_device  16384  1 snd_seq
vboxsf          45056  0
vboxguest        53248  3 vboxsf
vboxvideo        36864  0
drm_vram_helper  28672  1 vboxvideo
squashfs        86016  0
loop             45056  0
octr             57344  2
rfkill            40960  3
binfmt_misc     28672  1
intel_rapl_msr  20480  0
intel_rapl_common 53248  1 intel_rapl_msr
intel_uncore_frequency_common 16384  0
crc32@0xffffffff 12288  1
ghash_clmulni_intel 16384  0
sha512_ssse3    53248  0
sha256_ssse3    32768  0
sha256_avx2     32768  0
sha256_avx512   32768  0
```

## Practice 6

```
1: kaizer@Linuxmachine:~ $ fortune
kaizer@Linuxmachine:~ $ fortune
Today is National Existential Ennui Awareness Day.
kaizer@Linuxmachine:~ $ figlet "John Doe"

kaizer@Linuxmachine:~ $ cowsay "Hello world"
< Hello world >
-----

kaizer@Linuxmachine:~ $ echo "Leo Miranda" | rev
adnarim oel
kaizer@Linuxmachine:~ $ toilet "bob" --metal
#
#mm# mmm #mm#
# "# "# "# "##
# "# "# "# "##
# #m# "# #m# "#m#
kaizer@Linuxmachine:~ $
```

## Practice 7

```

1: kaizer@Linuxmachine:~ 
284 lsusb
285 lspci
286 lsblk
287 inxi
288 lsmod
289 clear
290 man date
291 date --rfc-3339=ns
292 clear
293 echo "Hello Class"
294 sleep 3
295 history
296 clear
297 whoami
298 uptime
299 hostname
300 free -h
301 df -h/
302 df -h /
303 uname -a
304 du -hd1 /home
305 clear
306 lscpu
307 sensors
308 history
309 clear
310 lscpus
311 lscpu
312 clear
313 sensors
314 lscpu
315 clear
316 fortune
317 figlet "John Doe"
318 cowsay "Hello world"
319 cmatrix
320 fortune
321 figlet "John Doe"
322 cowsay "Hello world"
323 echo "Leo Miranda" | rev
324 toilet "bob" --metal
325 clear
326 date
327 echo "hello world"
328 uname -a
329 history
kaizer@Linuxmachine:~$ !#
kaizer@Linuxmachine:~$ echo "hello world"
hello world
kaizer@Linuxmachine:~$ !#
kaizer@Linuxmachine:~$ !#

```

#### 4. what I last type

#### 5. It added world at the end of hello echo command.

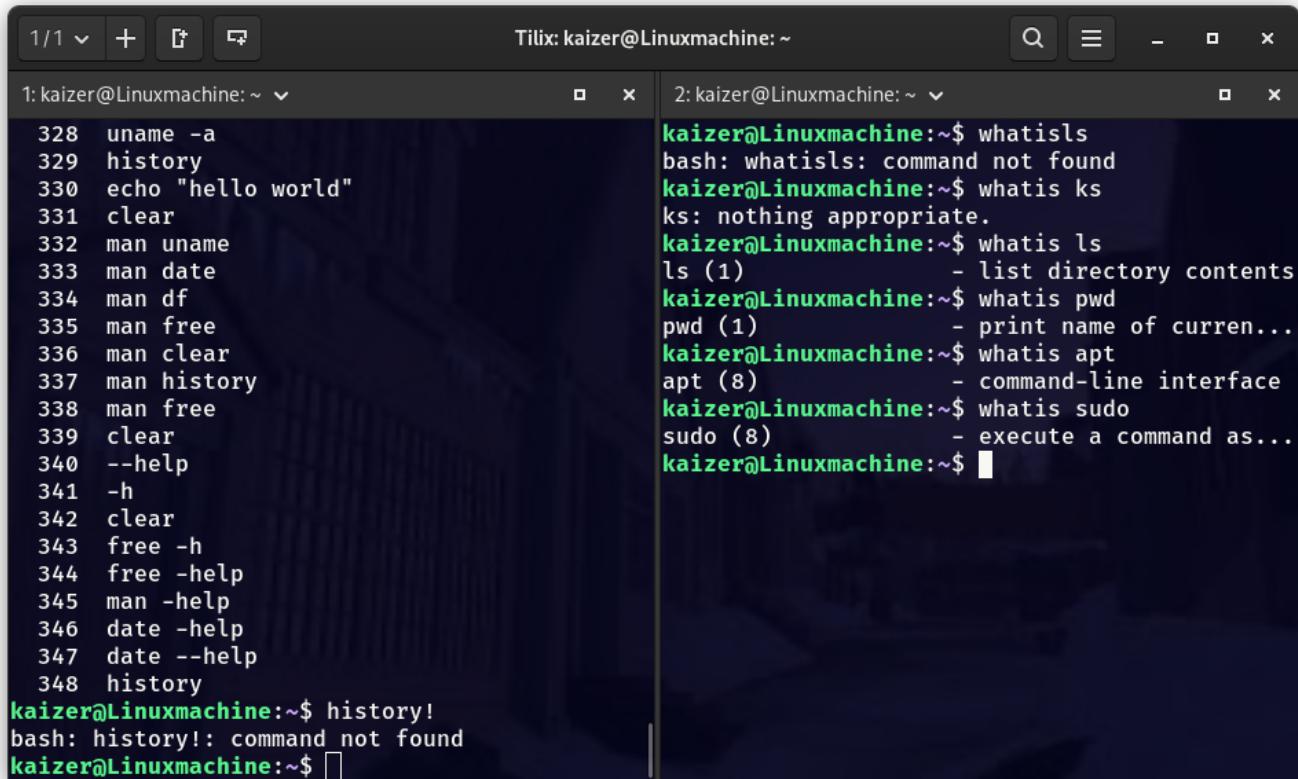
### Practice 8

```

1: kaizer@Linuxmachine:~ 
2: kaizer@Linuxmachine:~ 
Kaizer@Linuxmachine:~$ man uname
Kaizer@Linuxmachine:~$ man date
Kaizer@Linuxmachine:~$ man df
Kaizer@Linuxmachine:~$ man free
Kaizer@Linuxmachine:~$ man clear
Kaizer@Linuxmachine:~$ man history
Kaizer@Linuxmachine:~$ man free
Kaizer@Linuxmachine:~$ !#
Kaizer@Linuxmachine:~$ uname -s
Linux
Kaizer@Linuxmachine:~$ uname -n
Linuxmachine
Kaizer@Linuxmachine:~$ uname -r
6.12.69+deb13-amd64
Kaizer@Linuxmachine:~$ uname -i
unknown
GNU/Linux
Kaizer@Linuxmachine:~$ uname -s
Linux
Kaizer@Linuxmachine:~$ uname -n
Linuxmachine
Kaizer@Linuxmachine:~$ uname -r
6.12.69+deb13-amd64
Kaizer@Linuxmachine:~$ uname -i
unknown
Kaizer@Linuxmachine:~$ uname -o
GNU/Linux
Kaizer@Linuxmachine:~$ man clear
Kaizer@Linuxmachine:~$ man history
Kaizer@Linuxmachine:~$ free -g
              total        used         free      shared  buff/cache   available
Mem:            3           2           0           0           1           1
Swap:           5           0           5
Kaizer@Linuxmachine:~$ !#

```

### Practice 9



1: kaizer@Linuxmachine: ~

```

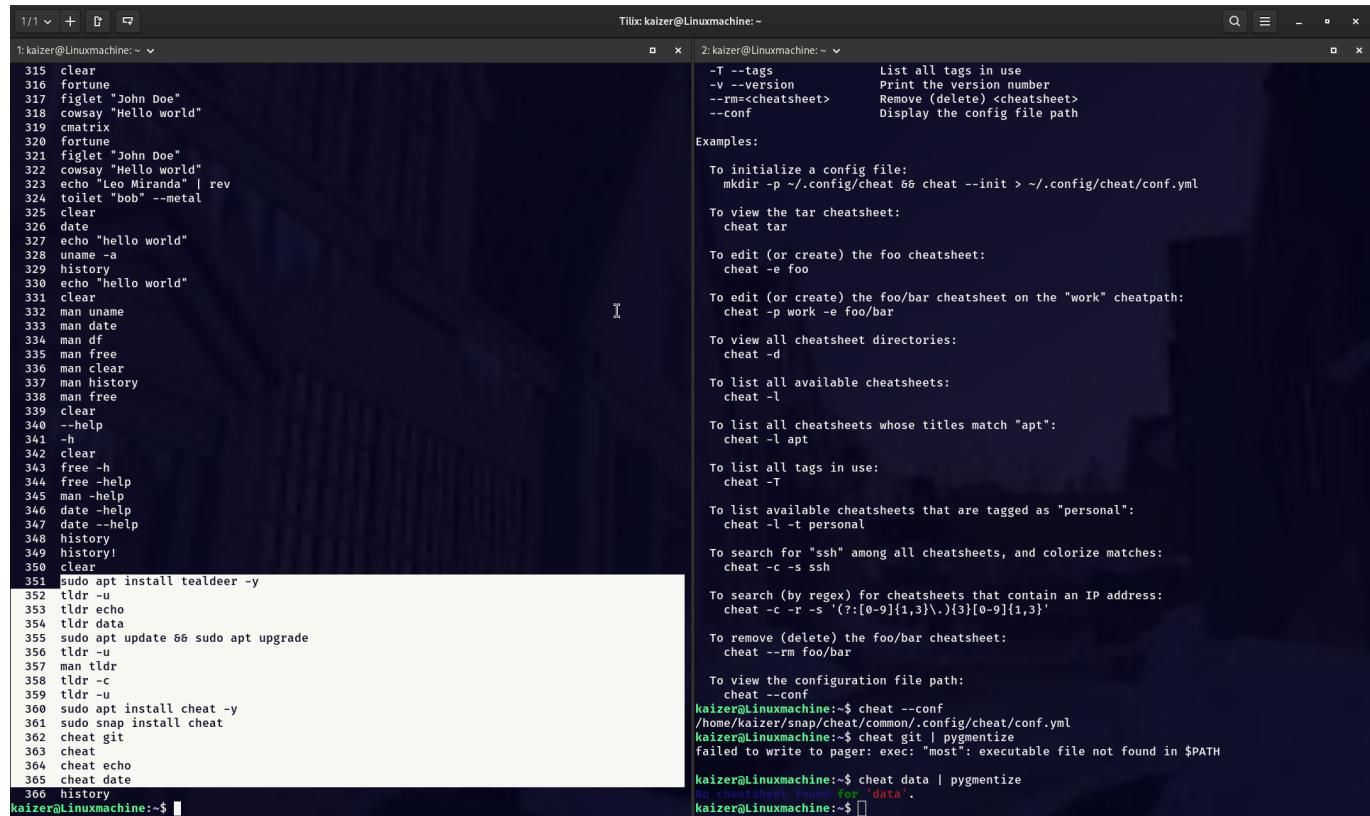
328  uname -a
329  history
330  echo "hello world"
331  clear
332  man uname
333  man date
334  man df
335  man free
336  man clear
337  man history
338  man free
339  clear
340  --help
341  -h
342  clear
343  free -h
344  free -help
345  man -help
346  date -help
347  date --help
348  history
kaizer@Linuxmachine:~$ history!
bash: history!: command not found
kaizer@Linuxmachine:~$ 
```

2: kaizer@Linuxmachine: ~

```

kaizer@Linuxmachine:~$ whatisls
bash: whatisls: command not found
kaizer@Linuxmachine:~$ whatis ks
ks: nothing appropriate.
kaizer@Linuxmachine:~$ whatis ls
ls (1)                                - list directory contents
kaizer@Linuxmachine:~$ whatis pwd
pwd (1)                                - print name of current...
kaizer@Linuxmachine:~$ whatis apt
apt (8)                                 - command-line interface
kaizer@Linuxmachine:~$ whatis sudo
sudo (8)                                 - execute a command as...
kaizer@Linuxmachine:~$ 
```

## Practice 10



1: kaizer@Linuxmachine: ~

```

315  clear
316  fortune
317  figlet "John Doe"
318  cowsay "Hello world"
319  cmatrix
320  fortune
321  figlet "John Doe"
322  cowsay "Hello world"
323  echo "Leo Miranda" | rev
324  toilet "bob" --metal
325  clear
326  date
327  echo "hello world"
328  uname -a
329  history
330  echo "hello world"
331  clear
332  man uname
333  man date
334  man df
335  man free
336  man clear
337  man history
338  man free
339  clear
340  --help
341  -h
342  clear
343  free -h
344  free -help
345  man -help
346  date -help
347  date --help
348  history
349  history!
350  clear
351  sudo apt install tealdeer -y
352  tldr -u
353  tldr echo
354  tldr data
355  sudo apt update && sudo apt upgrade
356  tldr -u
357  man tldr
358  tldr -c
359  tldr -u
360  sudo apt install cheat -y
361  sudo Snap install cheat
362  cheat git
363  cheat
364  cheat echo
365  cheat date
366  history
kaizer@Linuxmachine:~$ 
```

2: kaizer@Linuxmachine: ~

```

-T --tags          List all tags in use
-v --version       Print the version number
--rm=<cheatsheet> Remove (delete) <cheatsheet>
--conf             Display the config file path

Examples:
To initialize a config file:
  mkdir -p ~/.config/cheat && cheat --init > ~/.config/cheat/conf.yml

To view the tar cheatsheet:
  cheat tar

To edit (or create) the foo cheatsheet:
  cheat -e foo

To edit (or create) the foo/bar cheatsheet on the "work" cheatpath:
  cheat -p work -e foo/bar

To view all cheatsheet directories:
  cheat -d

To list all available cheatsheets:
  cheat -l

To list all cheatsheets whose titles match "apt":
  cheat -l apt

To list all tags in use:
  cheat -T

To list available cheatsheets that are tagged as "personal":
  cheat -l -t personal

To search for "ssh" among all cheatsheets, and colorize matches:
  cheat -c -s ssh

To search (by regex) for cheatsheets that contain an IP address:
  cheat -c -r -s '(?:[0-9]{1,3}\.){3}[0-9]{1,3}'

To remove (delete) the foo/bar cheatsheet:
  cheat --rm foo/bar

To view the configuration file path:
  cheat --conf
kaizer@Linuxmachine:~$ cheat --conf
/home/kaizer/.config/cheat/conf.yml
kaizer@Linuxmachine:~$ cheat git | pygmentize
Failed to write to pager: exec: "most": executable file not found in $PATH

kaizer@Linuxmachine:~$ cheat data | pygmentize
No cheatsheet found for data.
kaizer@Linuxmachine:~$ 
```