Week Report 3

Completed work for week 3:

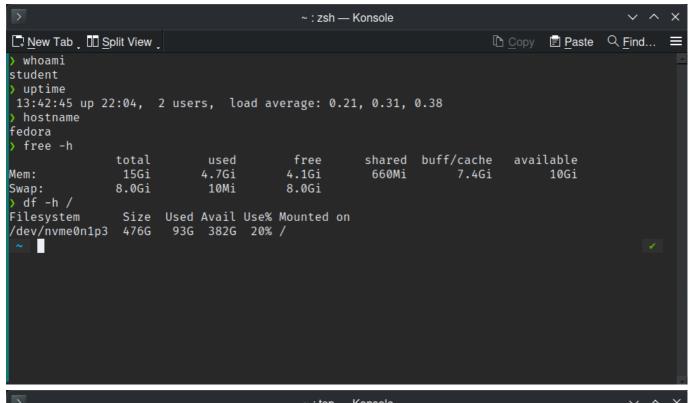
- Lab 3
- Notes 3

Practice Screenshots

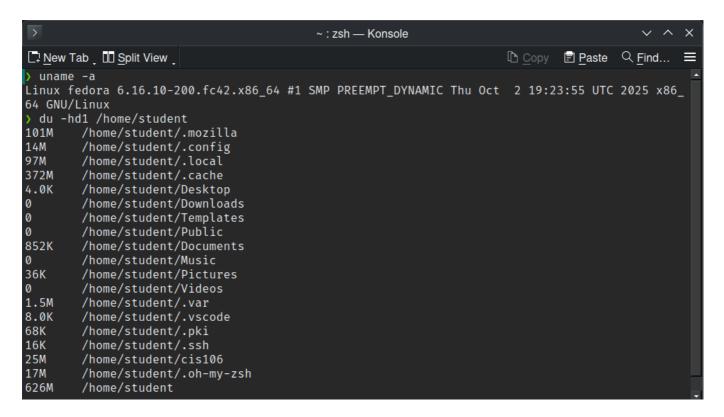
```
> ccho "Hello Class"
Hello Class
> sleep 3
> watch date
> history | tail -4
17 clear
18 echo "Hello Class"
19 sleep 3
20 watch date

* clear
```

Practice 4

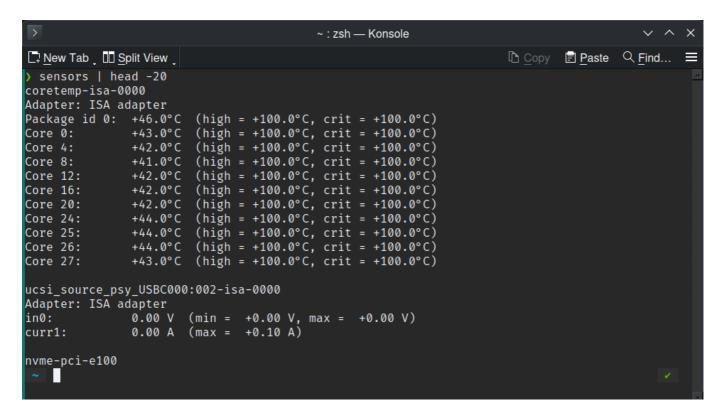


>	~ : top — Konsole											V /	×	
☐ New Tab ☐ Split	View								<u> </u>	ору	🖹 <u>P</u> aste	۹ <u>F</u> ind	. =	
top - 13:43:46 up 22:05, 2 users, load average: 0.14, 0.27, 0.36														
Tasks: 444 total,							stoppe		zombie					
%Cpu(s): 0.5 us,											st			
MiB Mem : 15597.9 total, 4176.8 free, 4875.6 used, 7547.1 buff/cache														
MiB Swap: 8192.0 total, 8181.0 free, 11.0 used. 10722.3 avail Mem														
PID USER	PR	NI	VIRT	RES	SHR	S	%CPU	%MEM	TIME+	COMMA	ND			
55480 student	20	0	235372	5636	3460	_	8.3	0.0	0:00.02					
1 root	20	0	42704	23412	11508	S	0.0	0.1	0:13.45	syste	md			
2 root	20	0	0	0	0	S	0.0	0.0	0:00.08	kthre	add			
3 root	20	0	0	0	0	S	0.0	0.0	0:00.00	pool_	workque	ue_relea	+	
4 root	0	-20	0	0	0	Ι	0.0	0.0	0:00.00	kwork	er/R-rc	u_gp		
5 root	0	-20	0	0	0	Ι	0.0	0.0	0:00.00	kwork	er/R-sy	nc_wq		
6 root	0	-20	0	0	0	Ι	0.0	0.0	0:00.00	kwork	er/R-kv	free_rcu	+	
7 root	0	-20	0	0	0	Ι	0.0	0.0	0:00.00	kwork	er/R-sl	ub_flush	1+	
8 root	0	-20	0	0	0	Ι	0.0	0.0	0:00.00	kwork	er/R-ne	tns		
10 root	0	-20	0	0	0	Ι	0.0	0.0	0:00.00	kwork	er/0:0H	-events_	+	
13 root	0	-20	0	0	0	Ι	0.0	0.0	0:00.00			_percpu_	+	
15 root	20	0	0	0	0	S	0.0	0.0	0:00.19	ksoft	irqd/0			
16 root	20	0	0	0	0	Ι	0.0	0.0	0:08.59	rcu_p	reempt			
17 root	20	0	0	0	0	S	0.0	0.0	0:00.00	rcu_e	xp_par_	gp_kthre	+	
18 root	20	0	0	0	0	S	0.0	0.0	0:00.04	rcu_e	xp_gp_k	thread_w	/ +	
19 root	rt	0	0	0	0	S	0.0	0.0	0:00.76	migra	tion/0		_	



```
~: zsh — Konsole
New Tab Split View
                                                                       🗅 Copy 🖹 Paste 🔍 Find...
  lscpu | grep "Vendor"
                                           GenuineIntel
 endor ID:
) lsusb
Bus 001 Device 001: ID 1d6b:0002 Linux Foundation 2.0 root hub
Bus 002 Device 001: ID 1d6b:0003 Linux Foundation 3.0 root hub
Bus 003 Device 001: ID 1d6b:0002 Linux Foundation 2.0 root hub
Bus 003 Device 002: ID 1c7a:0587 LighTuning Technology Inc. ETU905A88-E
Bus 003 Device 003: ID 3277:0021 Sonix Technology Co., Ltd. USB2.0 FHD UVC WebCam
Bus 003 Device 004: ID 8087:0033 Intel Corp. AX211 Bluetooth
Bus 004 Device 001: ID 1d6b:0003 Linux Foundation 3.0 root hub
Bus 004 Device 002: ID 0bda:0329 Realtek Semiconductor Corp. USB3.0 Card Reader
> lspci | grep "Network"
0000:00:14.3 Network controller: Intel Corporation Raptor Lake PCH CNVi WiFi (rev 01)
    П
```

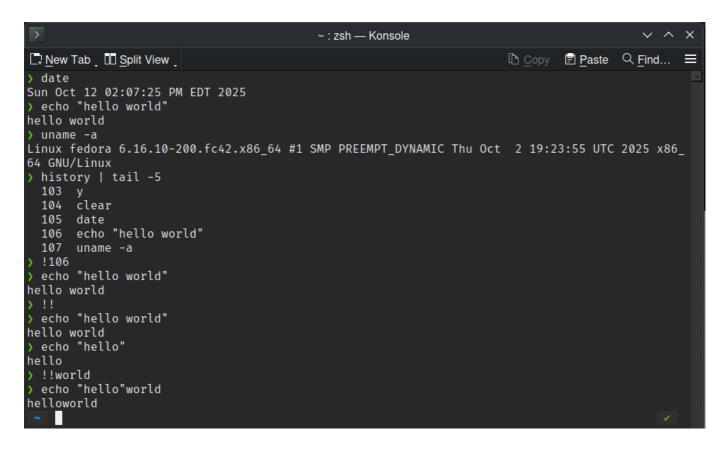
```
~: zsh - Konsole
New Tab Split View
                                                                    🗅 Copy 🖹 Paste 🔍 Find...
CPU: 10-core (6-mt/4-st) 13th Gen Intel Core i7-13620H (-MST AMCP-)
speed/min/max: 400/400/4700:4900:3600 MHz
Kernel: 6.16.10-200.fc42.x86_64 x86_64 Up: 22h 11m Mem: 4.72/15.23 GiB (31.0%)
Storage: 476.94 GiB (19.5% used) Procs: 453 Shell: Zsh inxi: 3.3.39
> lsmod | head -20
Module
                        Size Used by
uinput
                       32768
                              0
nvidia_uvm
                     4206592
                              0
snd_usb_audio
                      679936
                              0
                       57344
snd_usbmidi_lib
                              1 snd_usb_audio
snd_ump
                       49152
                             1 snd usb audio
snd_rawmidi
                       53248 2 snd_usbmidi_lib,snd_ump
rfcomm
                      110592 18
snd_seq_dummy
                       12288 0
snd_hrtimer
                       12288 1
                           12288 1
nf_conntrack_netbios_ns
nf_conntrack_broadcast
                          12288 1 nf_conntrack_netbios_ns
                       12288
nft_fib_inet
nft_fib_ipv4
                              1 nft_fib_inet
                       12288
nft_fib_ipv6
                              1 nft_fib_inet
                       12288
nft_fib
                       12288 3 nft_fib_ipv6,nft_fib_ipv4,nft_fib_inet
                       12288 10
nft_reject_inet
```

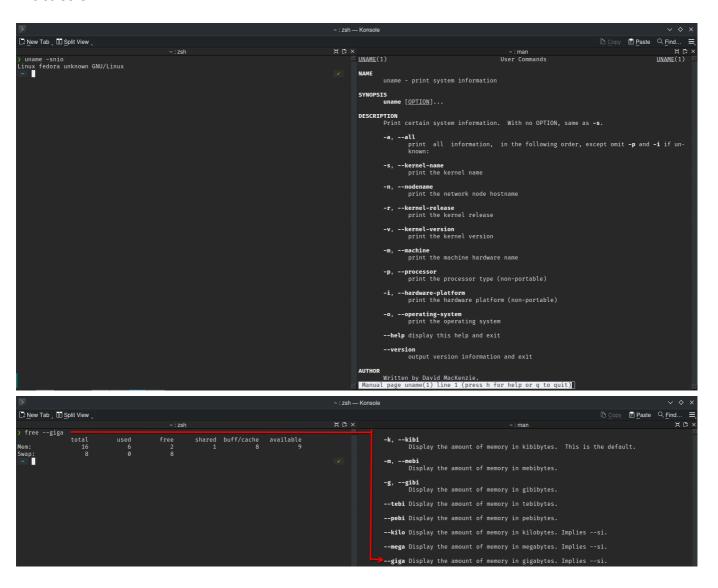


Practice 6



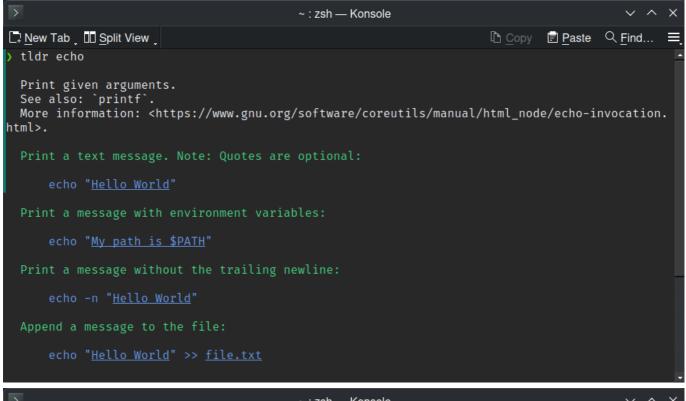
Practice 7

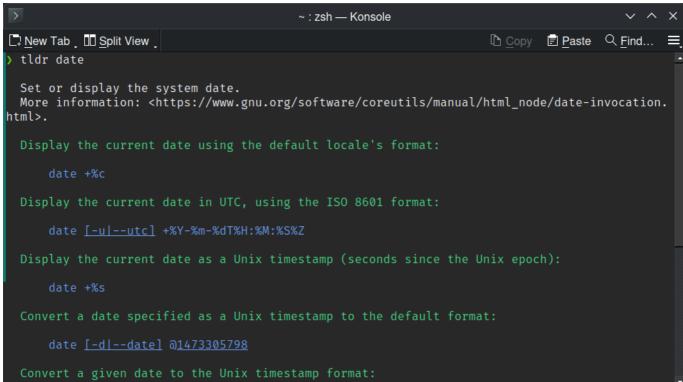




```
V ^
                                          ~: zsh — Konsole
☐ New Tab ☐ Split View
                                                                     Copy  □ Paste  □ Find...
 free --help | head -10
Usage:
free [options]
Options:
 -b, --bytes
--kilo
                     show output in bytes
                     show output in kilobytes
     --mega
                     show output in megabytes
     --giga
                     show output in gigabytes
     --tera
                     show output in terabytes
 man --help | head -10
Usage: man [OPTION...] [SECTION] PAGE...
  -C, --config-file=FILE
                             use this user configuration file
  -d, --debug
                             emit debugging messages
  -D, --default
                             reset all options to their default values
      --warnings[=WARNINGS] enable warnings from groff
 Main modes of operation:
  -f, --whatis
                             equivalent to whatis
  -k, --apropos
                             equivalent to apropos
   ~: zsh — Konsole
New Tab Split View
                                                                     ⚠ Copy 🖹 Paste 🔍 Find...
date --help | head -10
Usage: date [OPTION]... [+FORMAT]
 or: date [-u|--utc|--universal] [MMDDhhmm[[CC]YY][.ss]]
Display date and time in the given FORMAT.
With -s, or with [MMDDhhmm[[CC]YY][.ss]], set the date and time.
Mandatory arguments to long options are mandatory for short options too.
 -d, --date=STRING
                             display time described by STRING, not 'now'
      --debug
                             annotate the parsed date,
                              and warn about questionable usage to stderr
  -f, --file=DATEFILE
                             like --date; once for each line of DATEFILE
) whatis ls
ls (1)
                     - list directory contents
) whatis pwd
pwd (1)
                     - print name of current/working directory
) whatis dnf
dnf (8)
                     - DNF5 Package Management Utility
) whatis sudo
sudo (8)
                     - execute a command as another user
 ~
```

Practice 10





```
~: zsh — Konsole
New Tab Split View
                                                                               🖺 Copy 🖹 Paste 🔍 Find...
cheat git | pygmentize
# To set your identity:
git config --global user.name <name>
git config --global user.email <email>
# To set your editor:
git config --global core.editor <editor>
# To enable color:
git config --global color.ui true
# To stage all changes for commit:
git add --all
# To stash changes locally, this will keep the changes in a separate changelist
  called stash and the working directory is cleaned. You can apply changes
# from the stash anytime
git stash
# To stash changes with a message:
git stash push -m <message>
# To list all the stashed changes:
                                               ~: zsh — Konsole
New Tab Split View
                                                                              🖺 Copy 🖹 Paste 🔍 Find...
date -
date -d @1440359821
date -r 1440359821
date +%Z
date -R
date -u
TZ=CET date
```

TZ='America/Los_Angeles' date