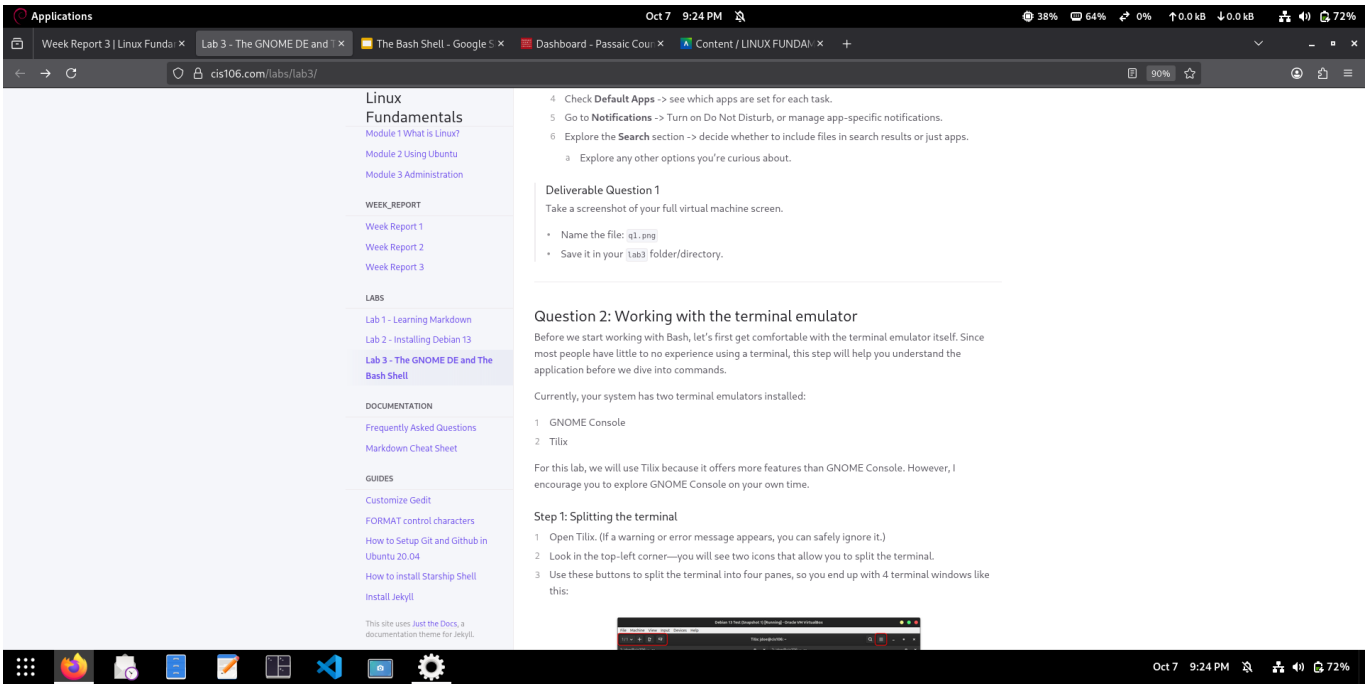
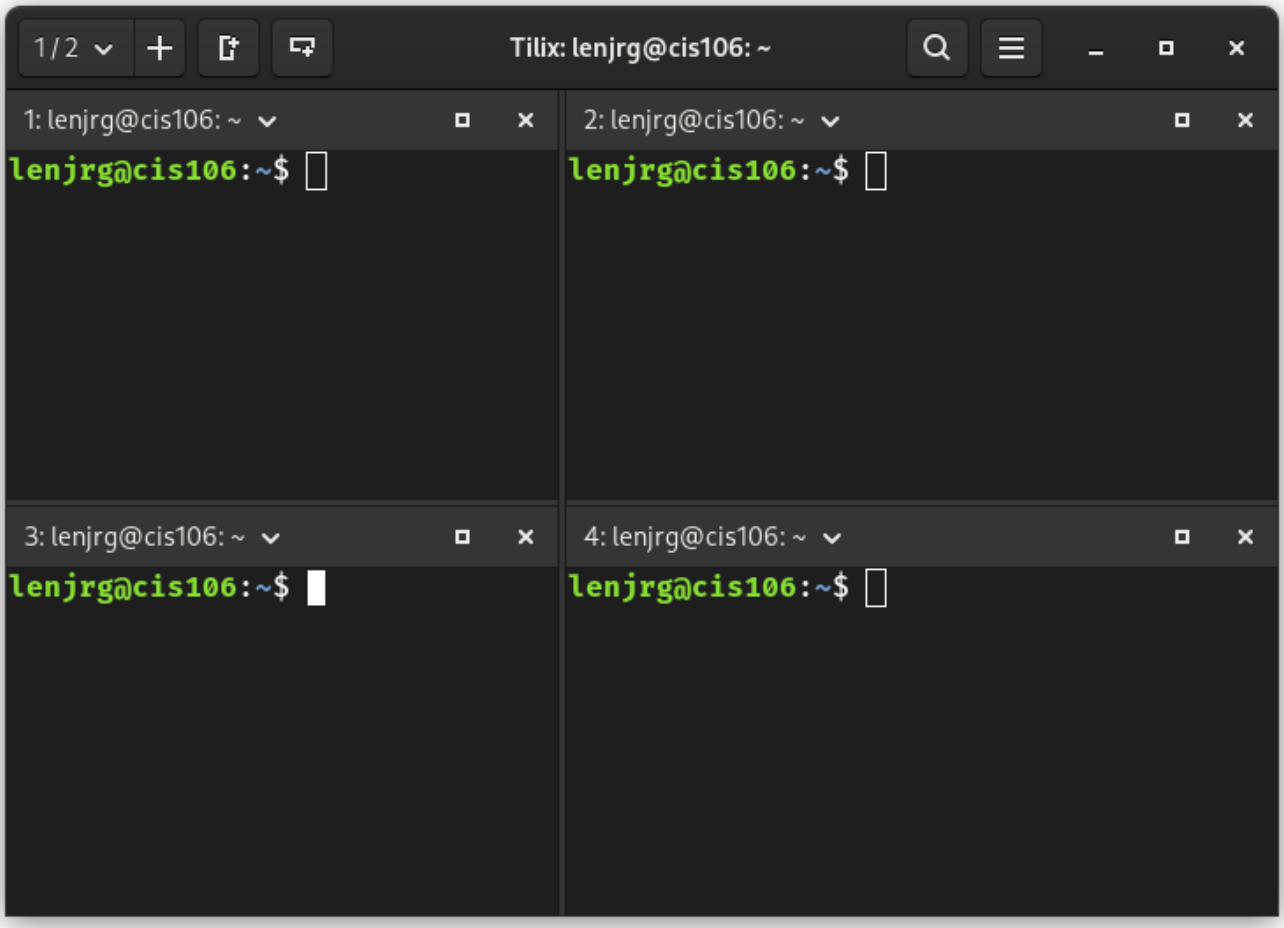
Lab 3 Submission

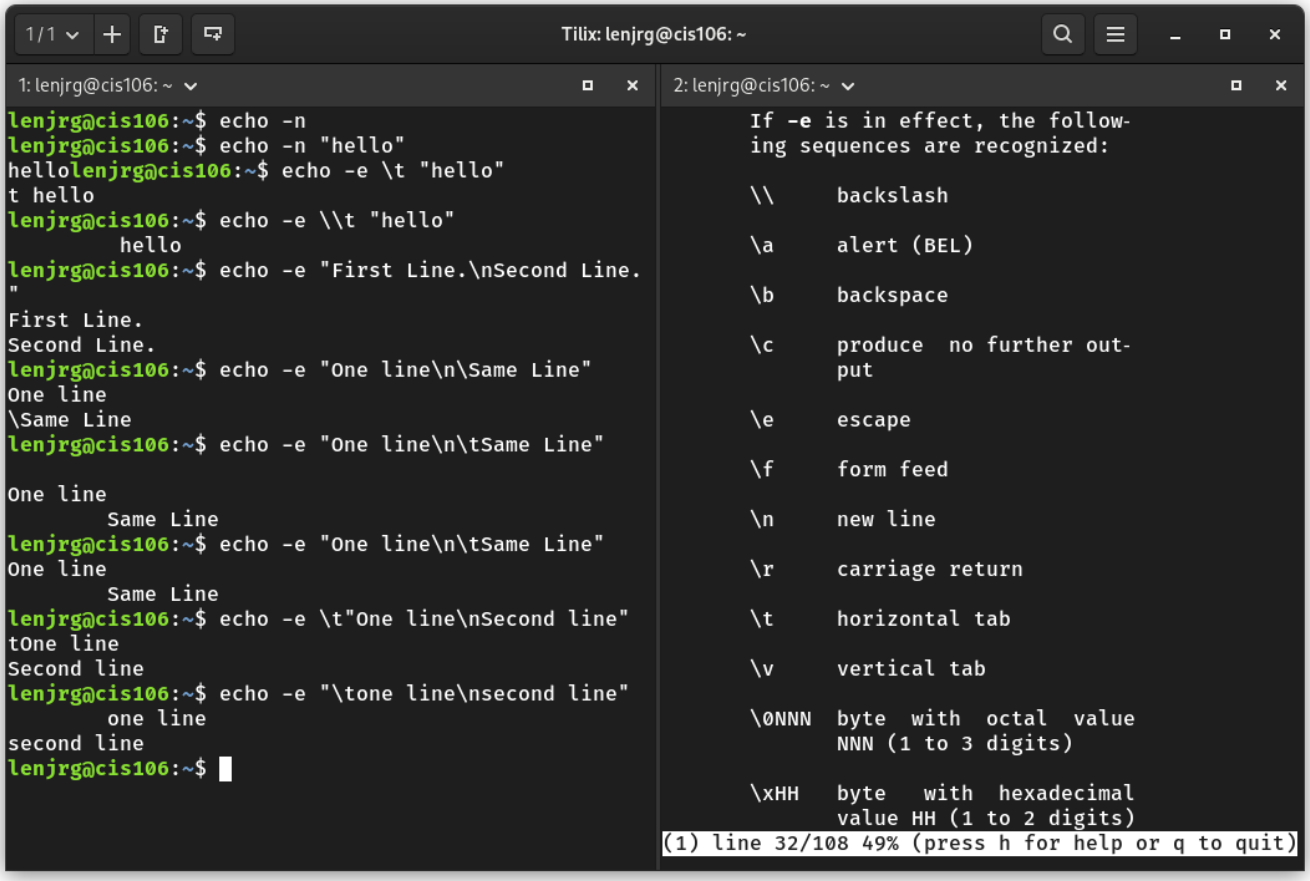
Question 1



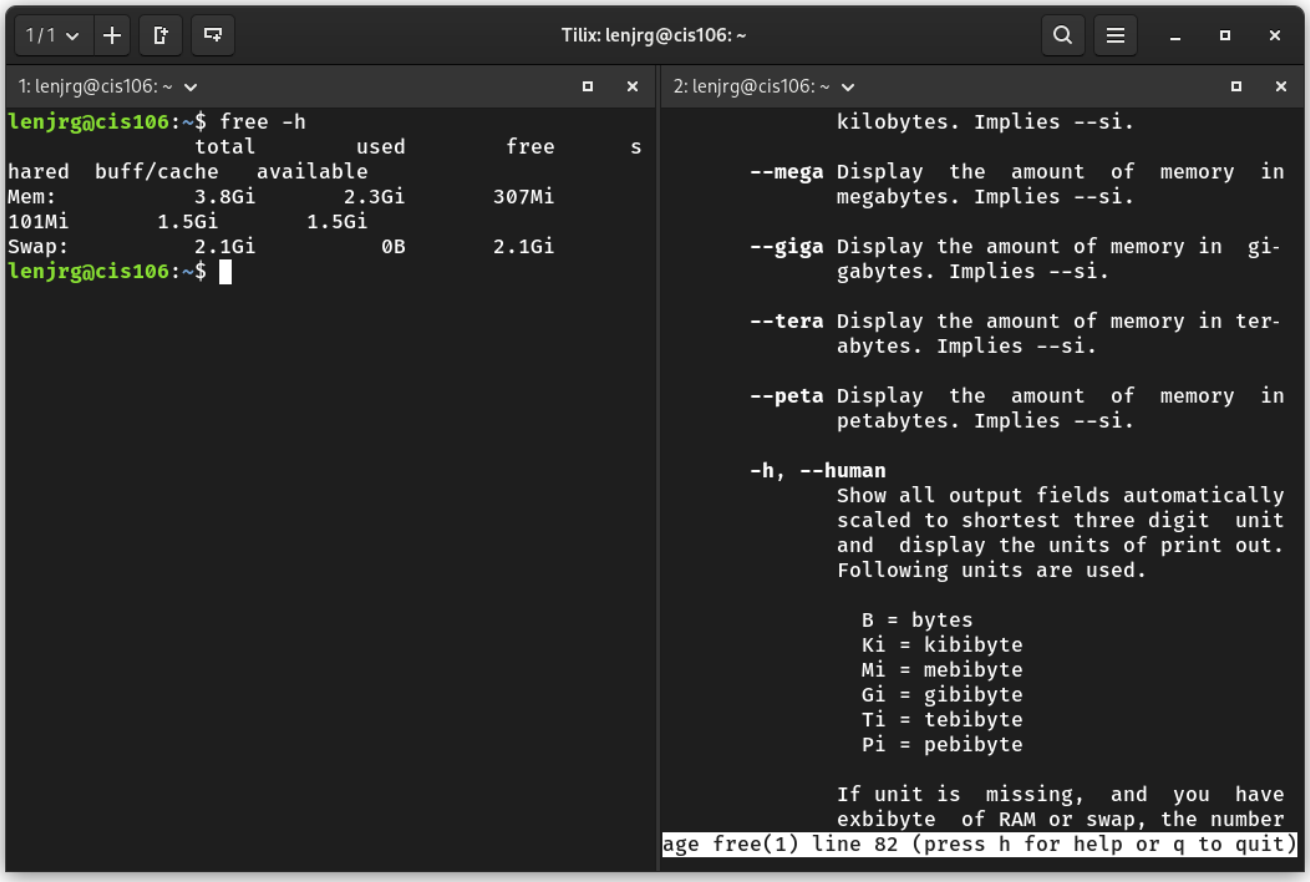
Question 2

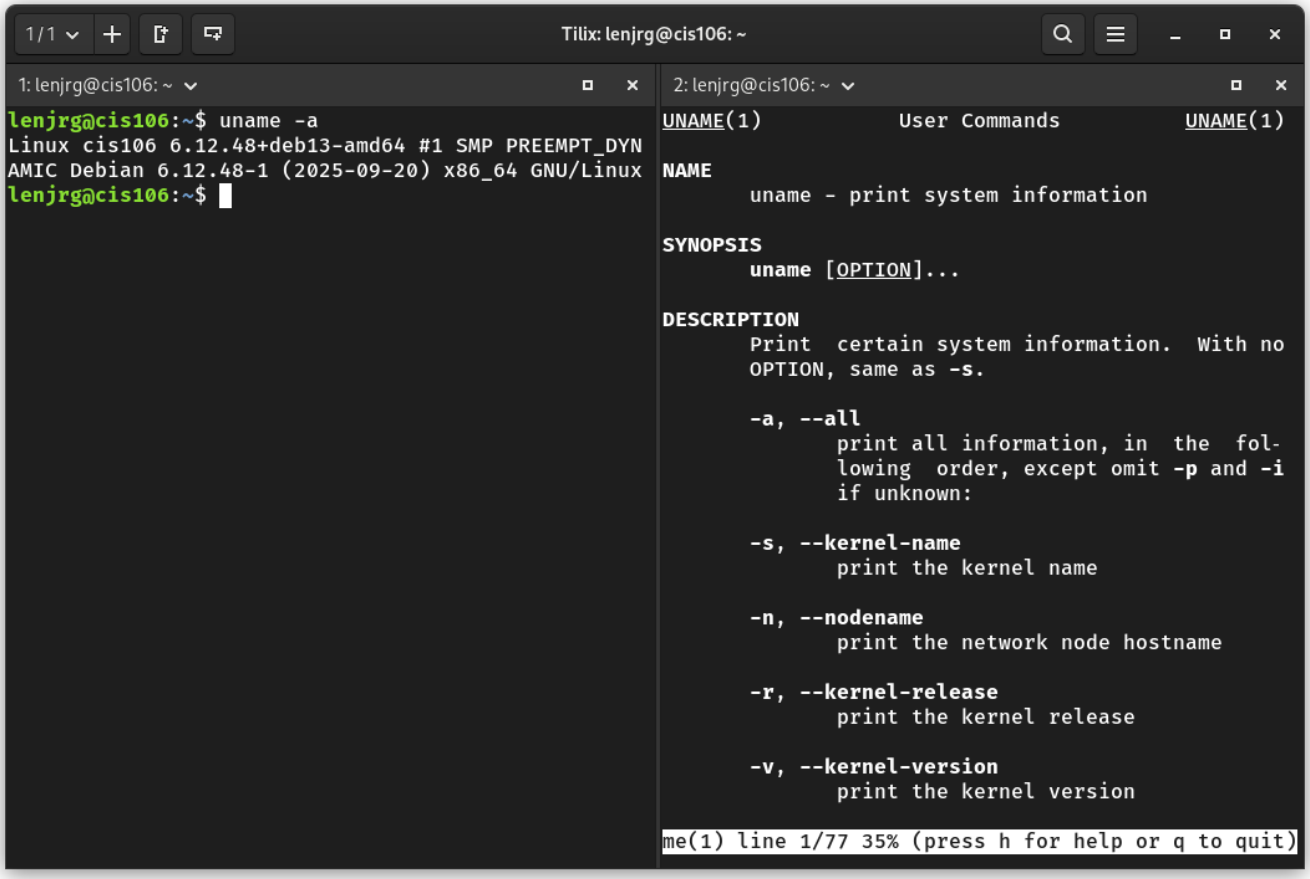


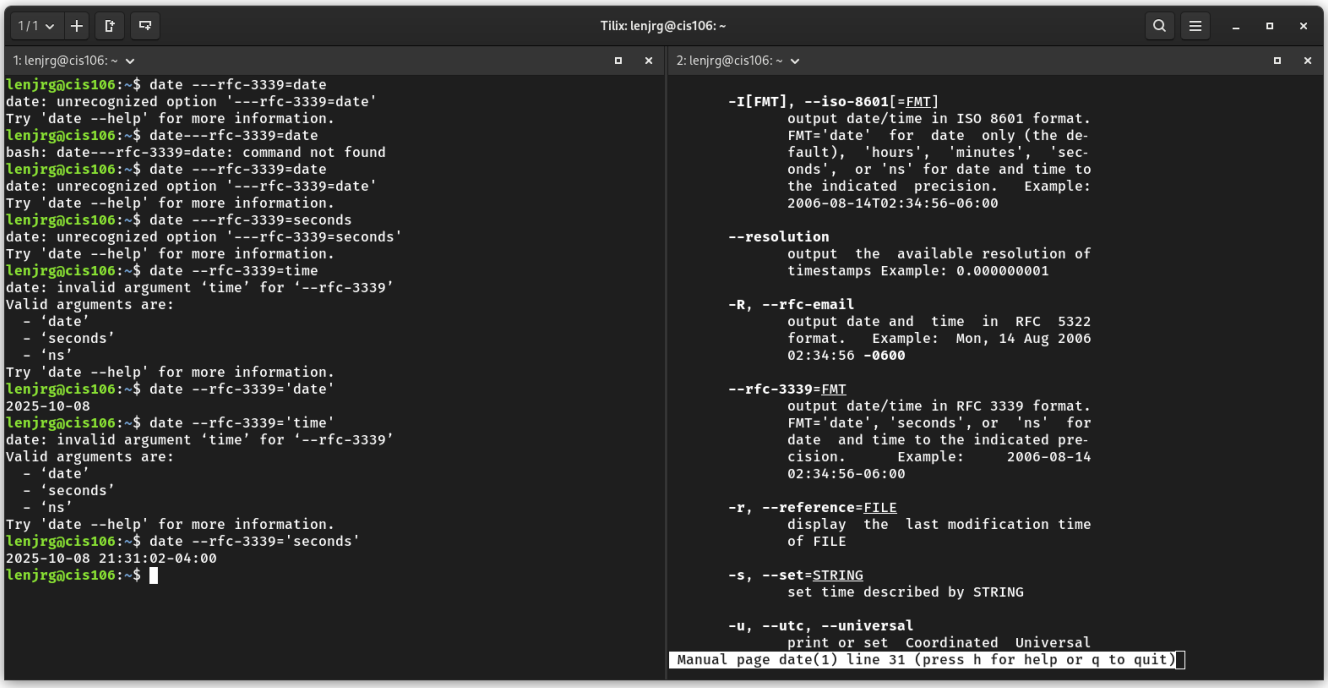
Question 3



Challenge Question


1/1
Tilix: lenjrg@cis106: ~
1: lenjrg@cis106: ~
2: lenjrg@cis106: ~
lenjrg@cis106:~$ free -h
total used free s
hared buff/cache available
Mem: 3.8Gi 2.3Gi 307Mi
101Mi 1.5Gi 1.5Gi
Swap: 2.1Gi 0B 2.1Gi
lenjrg@cis106:~$
kilobytes. Implies --si.
--mega Display the amount of memory in megabytes. Implies --si.
--giga Display the amount of memory in gigabytes. Implies --si.
--tera Display the amount of memory in terabytes. Implies --si.
--peta Display the amount of memory in petabytes. Implies --si.
-h, --human
Show all output fields automatically scaled to shortest three digit unit and display the units of print out. Following units are used.
B = bytes
Ki = kibibyte
Mi = mebibyte
Gi = gibibyte
Ti = tebibyte
Pi = pebibyte
If unit is missing, and you have exbibyte of RAM or swap, the number
age free(1) line 82 (press h for help or q to quit)


1/1
Tilix: lenjrg@cis106: ~
1: lenjrg@cis106: ~
2: lenjrg@cis106: ~
lenjrg@cis106:~$ uname -a
Linux cis106 6.12.48+deb13-amd64 #1 SMP PREEMPT_DYN
AMIC Debian 6.12.48-1 (2025-09-20) x86_64 GNU/Linux
lenjrg@cis106:~$
UNAME(1) User Commands UNAME(1)
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
-n, --nodename
print the network node hostname
-r, --kernel-release
print the kernel release
-v, --kernel-version
print the kernel version
me(1) line 1/77 35% (press h for help or q to quit)


1 / 1
Tilix: lenjrg@cis106: ~
1: lenjrg@cis106: ~
2: lenjrg@cis106: ~
lenjrg@cis106:~$ date ---rfc-3339=date
date: unrecognized option '---rfc-3339=date'
Try 'date --help' for more information.
lenjrg@cis106:~$ date---rfc-3339=date
bash: date---rfc-3339=date: command not found
lenjrg@cis106:~$ date ---rfc-3339=date
date: unrecognized option '---rfc-3339=date'
Try 'date --help' for more information.
lenjrg@cis106:~$ date ---rfc-3339=seconds
date: unrecognized option '---rfc-3339=seconds'
Try 'date --help' for more information.
lenjrg@cis106:~$ date --rfc-3339=time
date: invalid argument 'time' for '--rfc-3339'
Valid arguments are:
- 'date'
- 'seconds'
- 'ns'
Try 'date --help' for more information.
lenjrg@cis106:~$ date --rfc-3339='date'
2025-10-08
lenjrg@cis106:~$ date --rfc-3339='time'
date: invalid argument 'time' for '--rfc-3339'
Valid arguments are:
- 'date'
- 'seconds'
- 'ns'
Try 'date --help' for more information.
lenjrg@cis106:~$ date --rfc-3339='seconds'
2025-10-08 21:31:02-04:00
lenjrg@cis106:~$
-I[FMT], --iso-8601[=FMT]
output date/time in ISO 8601 format.
FMT='date' for date only (the default), 'hours', 'minutes', 'seconds', or 'ns' for date and time to the indicated precision. Example: 2006-08-14T02:34:56-06:00
--resolution
output the available resolution of timestamps Example: 0.000000001
-R, --rfc-email
output date and time in RFC 5322 format. Example: Mon, 14 Aug 2006 02:34:56 -0600
--rfc-3339=FMT
output date/time in RFC 3339 format. FMT='date', 'seconds', or 'ns' for date and time to the indicated precision. Example: 2006-08-14 02:34:56-06:00
-r, --reference=FILE
display the last modification time of FILE
-s, --set=STRING
set time described by STRING
-u, --utc, --universal
print or set Coordinated Universal
Manual page date(1) line 31 (press h for help or q to quit)