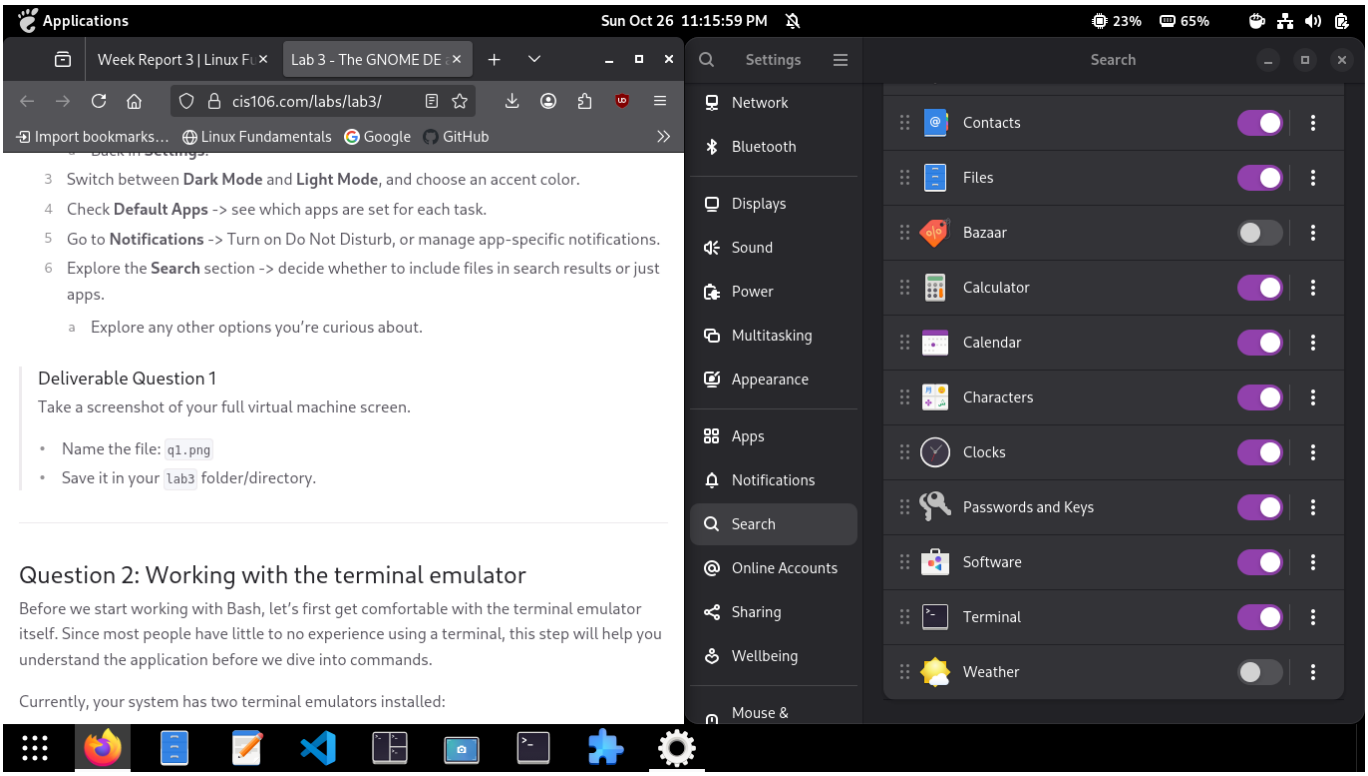
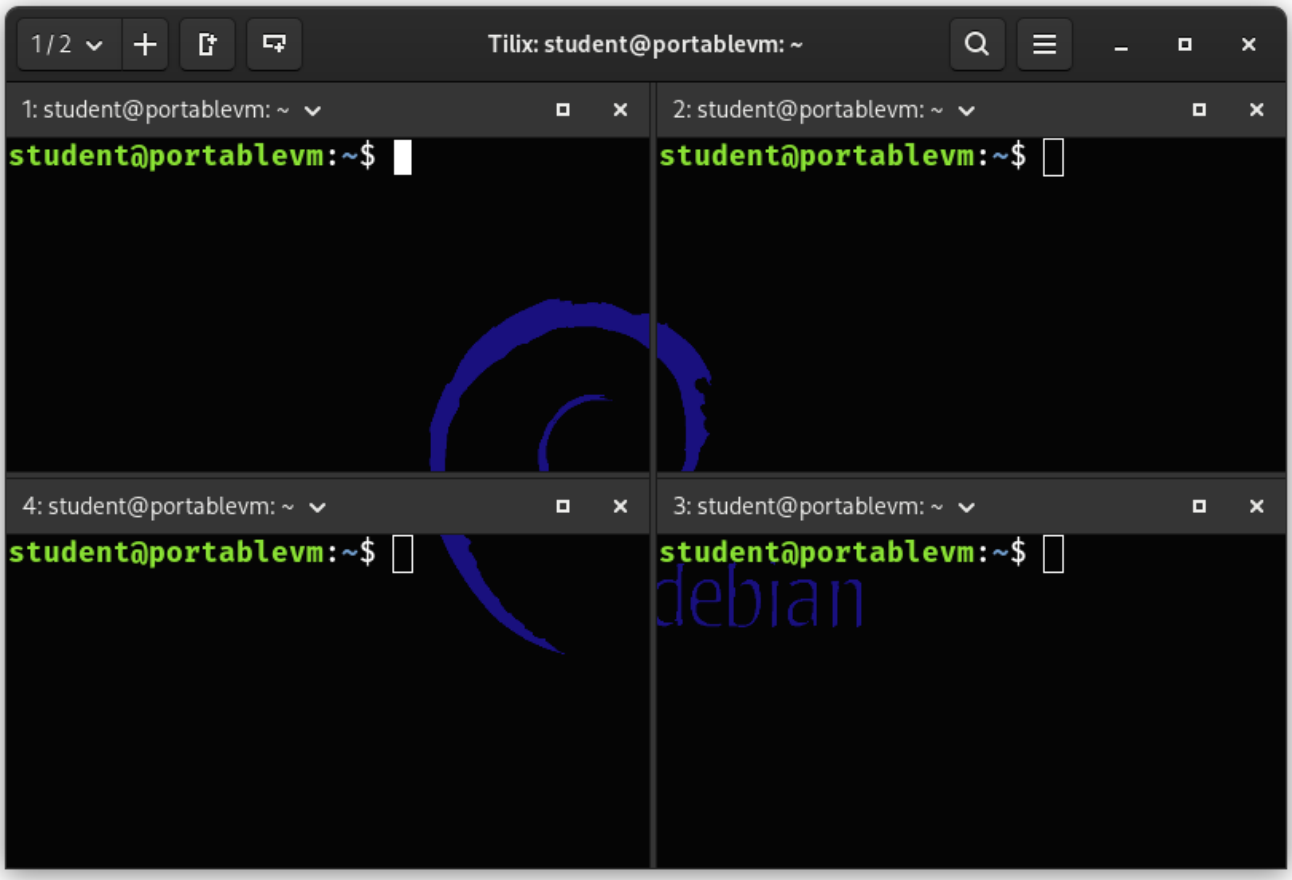
Lab 3 Submission

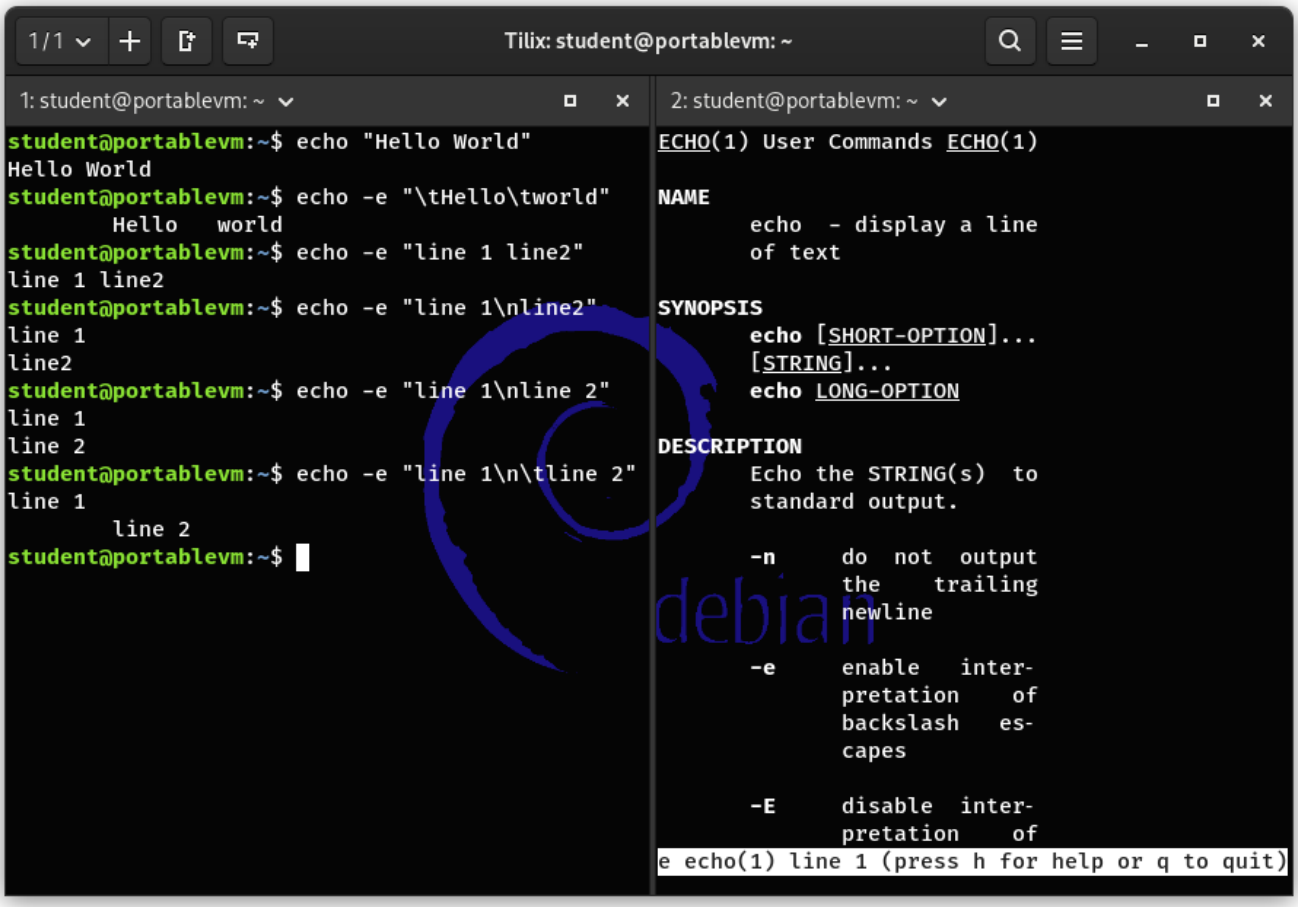
Question 1



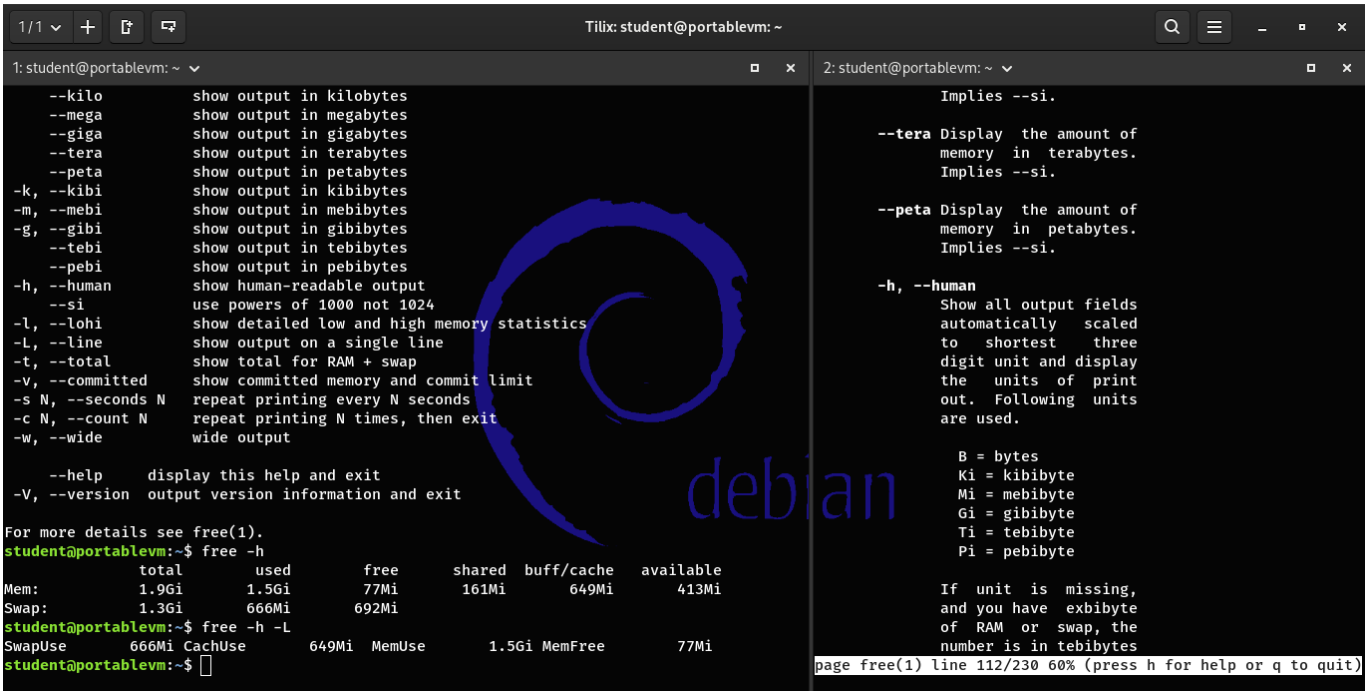
Question 2

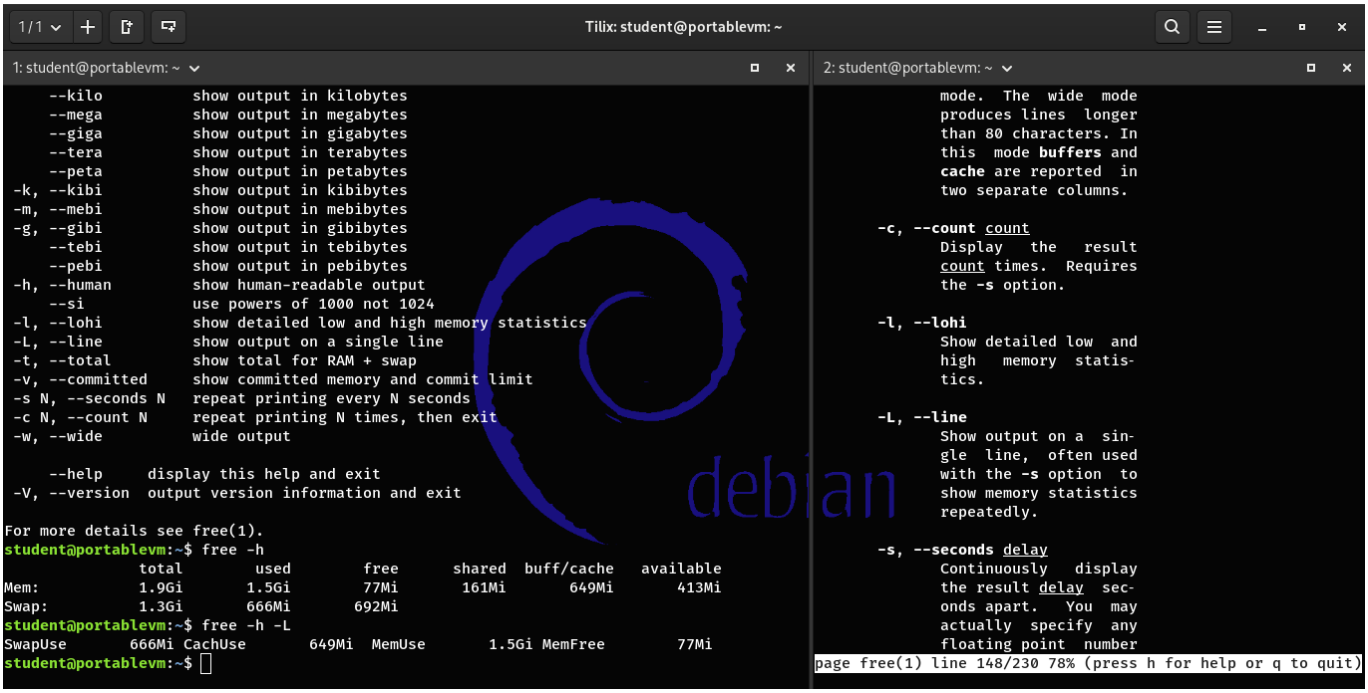

1 / 2
Tilix: student@portablevm: ~
1: student@portablevm: ~
2: student@portablevm: ~
4: student@portablevm: ~
3: student@portablevm: ~
student@portablevm:~$
debian

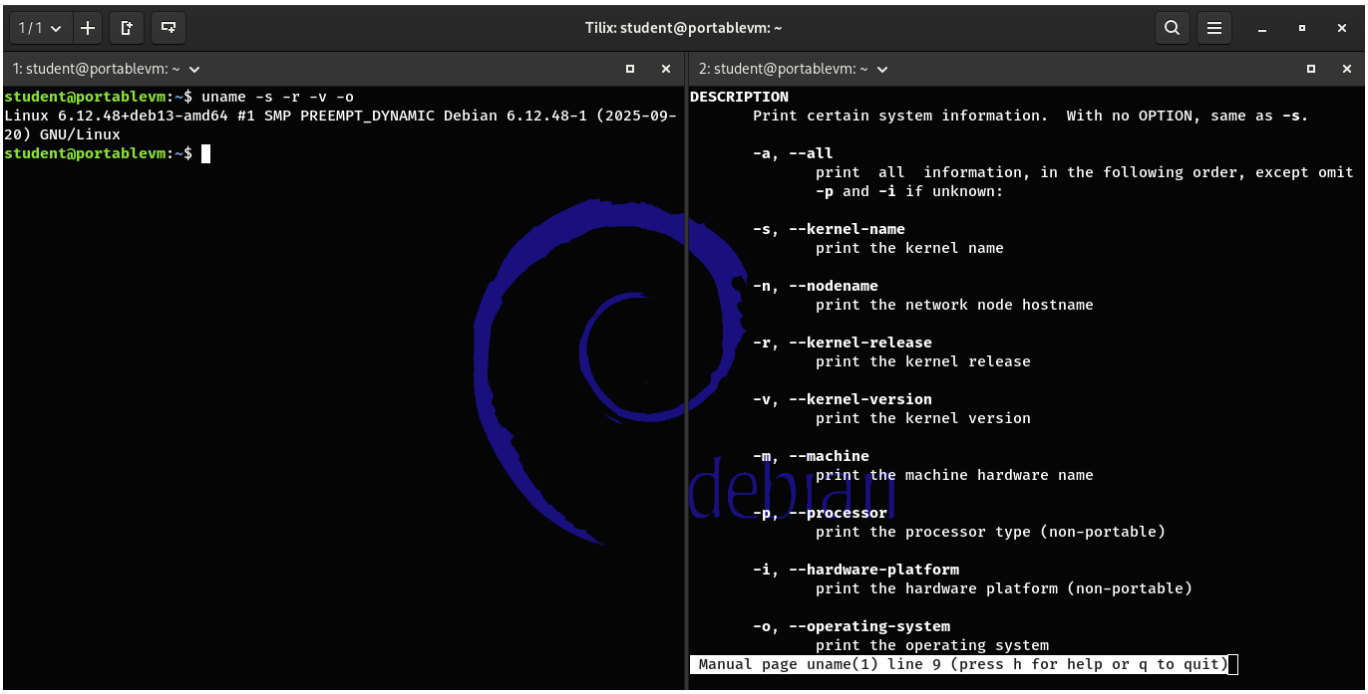
Question 3

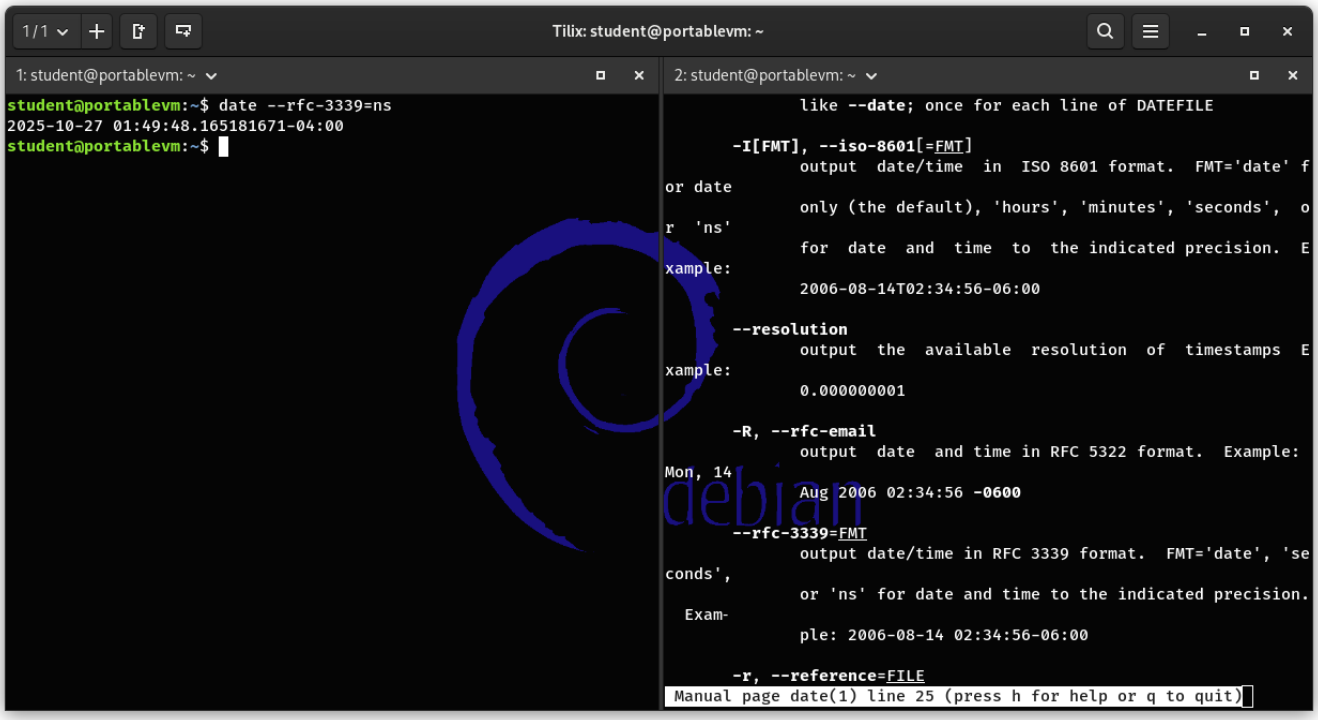

1 / 1
Tilix: student@portablevm: ~
1: student@portablevm: ~
2: student@portablevm: ~
student@portablevm:~$ echo "Hello World"
Hello World
student@portablevm:~$ echo -e "\tHello\tworld"
Hello world
student@portablevm:~$ echo -e "line 1 line2"
line 1 line2
student@portablevm:~$ echo -e "line 1\nline2"
line 1
line2
student@portablevm:~$ echo -e "line 1\nline 2"
line 1
line 2
student@portablevm:~$ echo -e "line 1\n\tline 2"
line 1
line 2
student@portablevm:~$
ECHO(1) User Commands ECHO(1)
NAME
echo - display a line of text
SYNOPSIS
echo [SHORT-OPTION]... [STRING]...
echo LONG-OPTION
DESCRIPTION
Echo the STRING(s) to standard output.
-n do not output the trailing newline
-e enable interpretation of backslash escapes
-E disable interpretation of
e echo(1) line 1 (press h for help or q to quit)
debian

Challenge Question






1 / 1
Tilix: student@portablevm: ~
1: student@portablevm: ~
2: student@portablevm: ~
student@portablevm:~$ uname -s -r -v -o
Linux 6.12.48+deb13-amd64 #1 SMP PREEMPT_DYNAMIC Debian 6.12.48-1 (2025-09-20) GNU/Linux
student@portablevm:~$
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
-m, --machine
print the machine hardware name
-p, --processor
print the processor type (non-portable)
-i, --hardware-platform
print the hardware platform (non-portable)
-o, --operating-system
print the operating system
Manual page uname(1) line 9 (press h for help or q to quit)


1 / 1
Tilix: student@portablevm: ~
1: student@portablevm: ~
2: student@portablevm: ~
student@portablevm:~$ date --rfc-3339=ns
2025-10-27 01:49:48.165181671-04:00
student@portablevm:~$
like --date; once for each line of DATEFILE
-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. Exam-
ple: 2006-08-14 02:34:56-06:00
-r, --reference=FILE
Manual page date(1) line 25 (press h for help or q to quit)