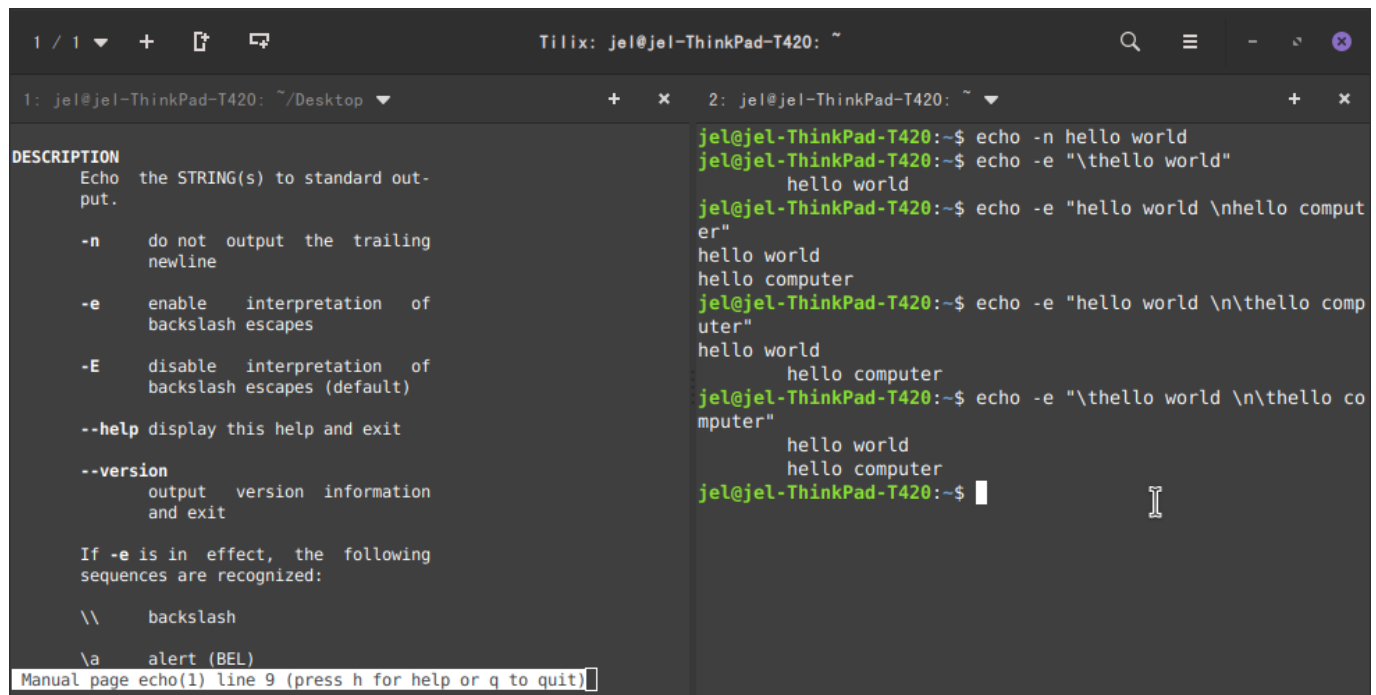


# Lab 3 Submission

## Question 2



The screenshot shows a terminal window with two panes. The left pane displays the help text for the 'echo' command, and the right pane shows the command being executed with various options.

```
1 / 1 ▼ + [ ] [ ] Tilix: jel@jel-ThinkPad-T420: ~ 🔍 ☰ - ↵ ✕

1: jel@jel-ThinkPad-T420: ~/Desktop ▼ + ✕ 2: jel@jel-ThinkPad-T420: ~ ▼ + ✕

DESCRIPTION
Echo the STRING(s) to standard out-
put.

-n do not output the trailing
  newline

-e enable interpretation of
  backslash escapes

-E disable interpretation of
  backslash escapes (default)

--help display this help and exit

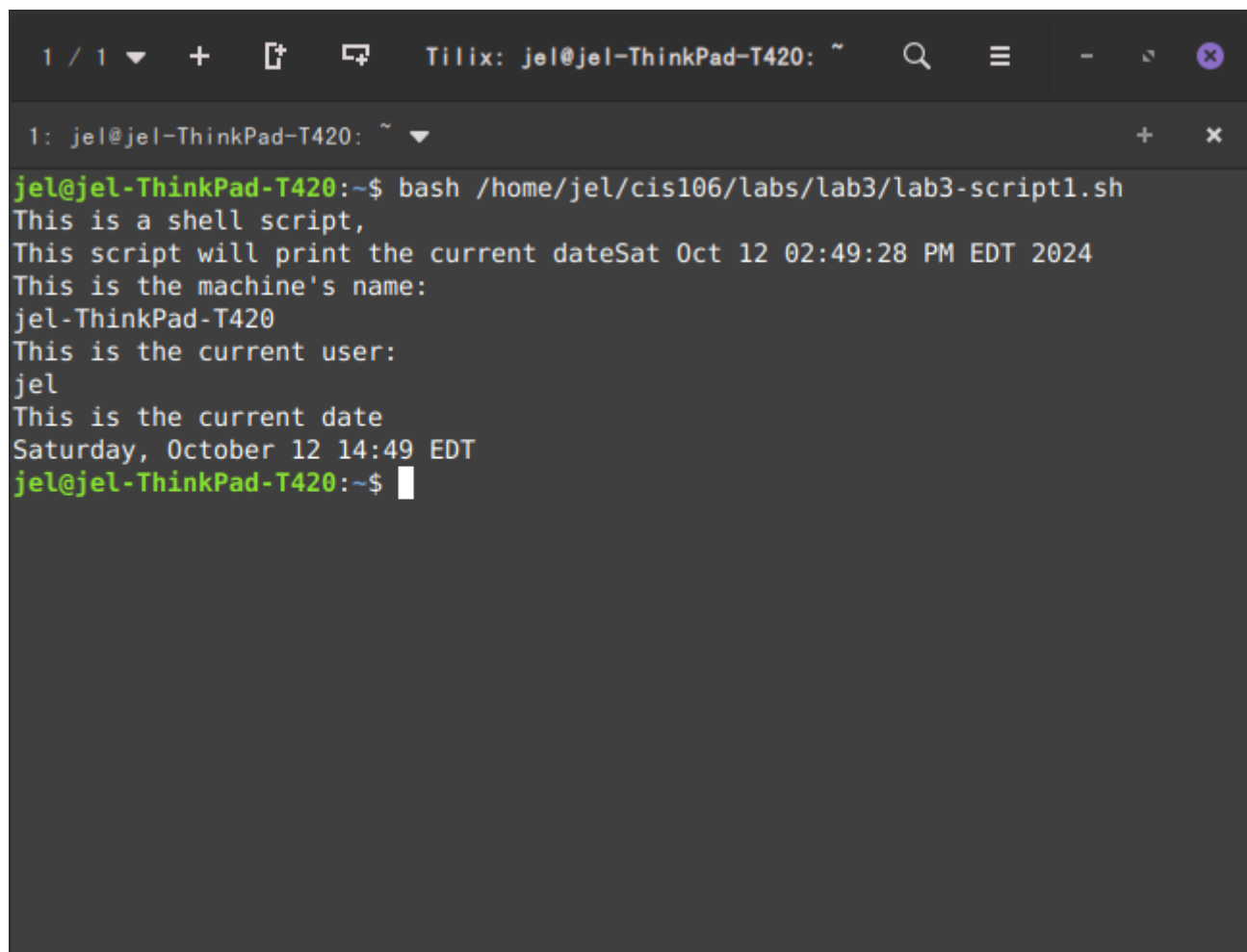
--version output version information
  and exit

If -e is in effect, the following
sequences are recognized:

\\ backslash
\a alert (BEL)
Manual page echo(1) line 9 (press h for help or q to quit)

jel@jel-ThinkPad-T420:~$ echo -n hello world
jel@jel-ThinkPad-T420:~$ echo -e "\thello world"
    hello world
jel@jel-ThinkPad-T420:~$ echo -e "hello world \nhello comput
er"
hello world
hello computer
jel@jel-ThinkPad-T420:~$ echo -e "hello world \n\thello comp
uter"
hello world
    hello computer
jel@jel-ThinkPad-T420:~$ echo -e "\thello world \n\thello co
mputer"
    hello world
    hello computer
jel@jel-ThinkPad-T420:~$
```

## Question 3



The screenshot shows a terminal window with a single pane. The user has executed a script that prints various system information.

```
1 / 1 ▼ + [ ] [ ] Tilix: jel@jel-ThinkPad-T420: ~ 🔍 ☰ - ↵ ✕

1: jel@jel-ThinkPad-T420: ~ ▼ + ✕

jel@jel-ThinkPad-T420:~$ bash /home/jel/cis106/labs/lab3/lab3-script1.sh
This is a shell script,
This script will print the current dateSat Oct 12 02:49:28 PM EDT 2024
This is the machine's name:
jel-ThinkPad-T420
This is the current user:
jel
This is the current date
Saturday, October 12 14:49 EDT
jel@jel-ThinkPad-T420:~$
```

## Challenge Question

```
1 / 1 ▼ + [ ] [ ] Tilix: jel@jel-ThinkPad-T420: ~ 🔍 ☰ - ↵ ✕

1: jel@jel-ThinkPad-T420: ~ ▼ + ✕

jel@jel-ThinkPad-T420:~$ bash '/home/jel/cis106/labs/lab3/challenge_lab3.sh'
~Basic information about my system~
Date and time in UTC and local:
10/13/24 00:55:24 AM UTC
10/12/24 20:55:24 PM EDT
Some information about my system:
Linux 5.15.0-122-generic x86_64 GNU/Linux


RAM Information
total      used      free      shared  buff/cache  available
Mem:      15Gi    1.8Gi    10Gi    1.4Gi    3.6Gi    12Gi
Swap:     2.0Gi      0B    2.0Gi


Disk Usage
Filesystem      Size  Used Avail Use% Mounted on
tmpfs           1.6G  4.2M  1.6G   1% /run
/dev/sda3       273G  147G  113G  57% /
tmpfs           7.8G  432K  7.8G   1% /dev/shm
tmpfs           5.0M   4.0K  5.0M   1% /run/lock
/dev/sda1       96M   33M   65M  33% /boot/efi
tmpfs           1.6G  152K  1.6G   1% /run/user/1000


  _ _ _ _ _
 | _ _ _ _ |
 | _ _ _ _ |
 | _ _ _ _ |
 | _ _ _ _ |
  _ _ _ _ _

jel@jel-ThinkPad-T420:~$
```

Script Source code:

[lab3](#)