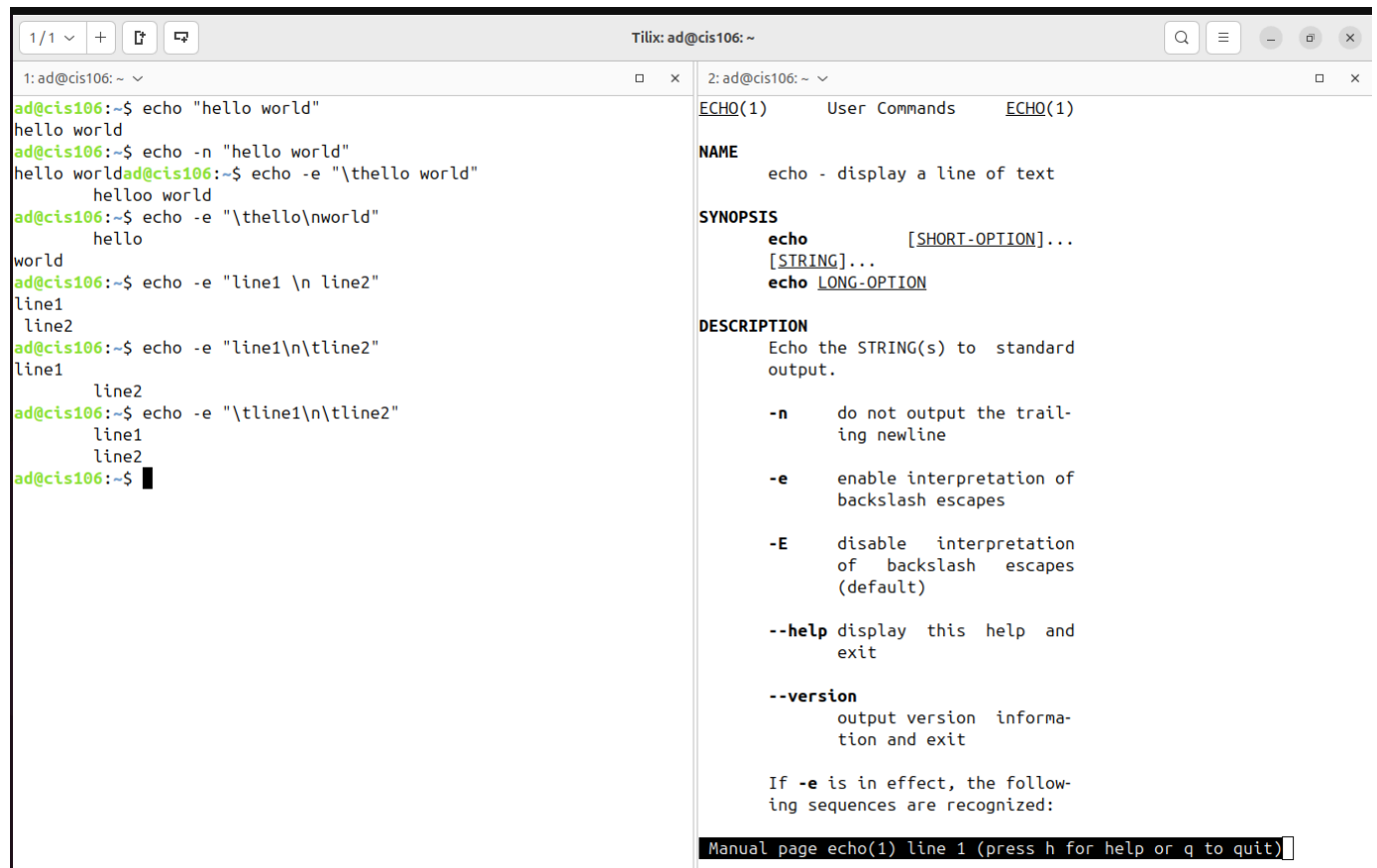


# Lab 3 Submission

## Question 2

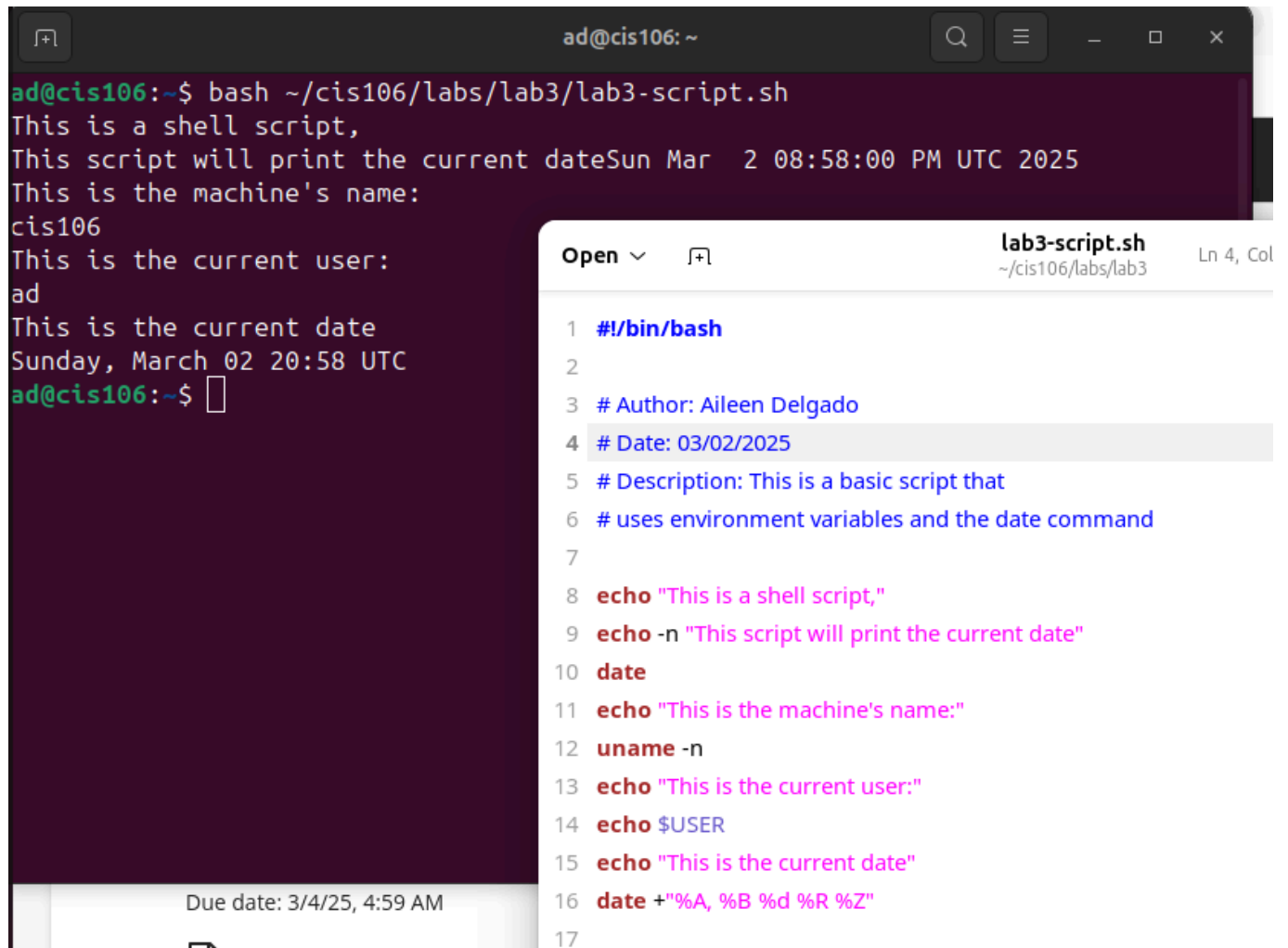


The screenshot shows a terminal window with two panes. The left pane shows a series of commands and their outputs using the 'echo' command with various options like -n, -e, and -E. The right pane shows the manual page for 'echo(1)'.

```
1: ad@cis106: ~  
ad@cis106:~$ echo "hello world"  
hello world  
ad@cis106:~$ echo -n "hello world"  
hello worldad@cis106:~$ echo -e "\thello world"  
      helloo world  
ad@cis106:~$ echo -e "\thello\nworld"  
      hello  
world  
ad@cis106:~$ echo -e "line1\nline2"  
line1  
line2  
ad@cis106:~$ echo -e "line1\n\tline2"  
line1  
      line2  
ad@cis106:~$ echo -e "\tline1\n\tline2"  
      line1  
      line2  
ad@cis106:~$
```

2: ad@cis106: ~  
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 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:  
  
Manual page echo(1) line 1 (press h for help or q to quit)

## Question 3



The image shows a terminal window on the left and a code editor on the right. The terminal window, titled 'ad@cis106: ~', shows the execution of a shell script. The script prints the following output:

```
ad@cis106:~$ bash ~/cis106/labs/lab3/lab3-script.sh
This is a shell script,
This script will print the current dateSun Mar  2 08:58:00 PM UTC 2025
This is the machine's name:
cis106
This is the current user:
ad
This is the current date
Sunday, March 02 20:58 UTC
ad@cis106:~$
```

The code editor on the right shows the contents of the file 'lab3-script.sh' located at '~/cis106/labs/lab3'. The script is a shell script that prints the current date, the machine's name, the current user, and the current date again. The script is 17 lines long.

```
1  #!/bin/bash
2
3  # Author: Aileen Delgado
4  # Date: 03/02/2025
5  # Description: This is a basic script that
6  # uses environment variables and the date command
7
8  echo "This is a shell script,"
9  echo -n "This script will print the current date"
10 date
11 echo "This is the machine's name:"
12 uname -n
13 echo "This is the current user:"
14 echo $USER
15 echo "This is the current date"
16 date +"%A, %B %d %R %Z"
17
```

## Challenge Question

```
ad@cis106: ~  
ad@cis106:~$ bash ~/cis106/labs/lab3/challenge_lab3.sh  
this is my first script alone  
so far so good with the challenge  
thank you for the help  
ad@cis106:~$ echo "this is my first script alone"  
this is my first script alone  
ad@cis106:~$ uname  
Linux  
ad@cis106:~$ date  
Sun Mar  2 09:24:48 PM UTC 2025  
ad@cis106:~$ df  
Filesystem      1K-blocks      Used Available Use% Mounted on  
tmpfs           399664        5652    394012   2% /run  
efivarfs         256          27       230   11% /sys/firmware/efi/efivars  
/dev/vda2       50204192 14704448 32917064 31% /  
tmpfs           1998320      16772   1981548   1% /dev/shm  
tmpfs           5120         8        5112   1% /run/lock  
/dev/vda1       1098628       6508   1092120   1% /boot/efi  
tmpfs           399664        180    399484   1% /run/user/1000  
ad@cis106:~$ free  
              total        used        free      shared  buff/cache   available  
Mem:        3996640      2619372      241968       85952    1396000    1377268  
Swap:        3996668      1123940      2872728  
ad@cis106:~$ figlet
```

Script Source code:

[lab3](#)