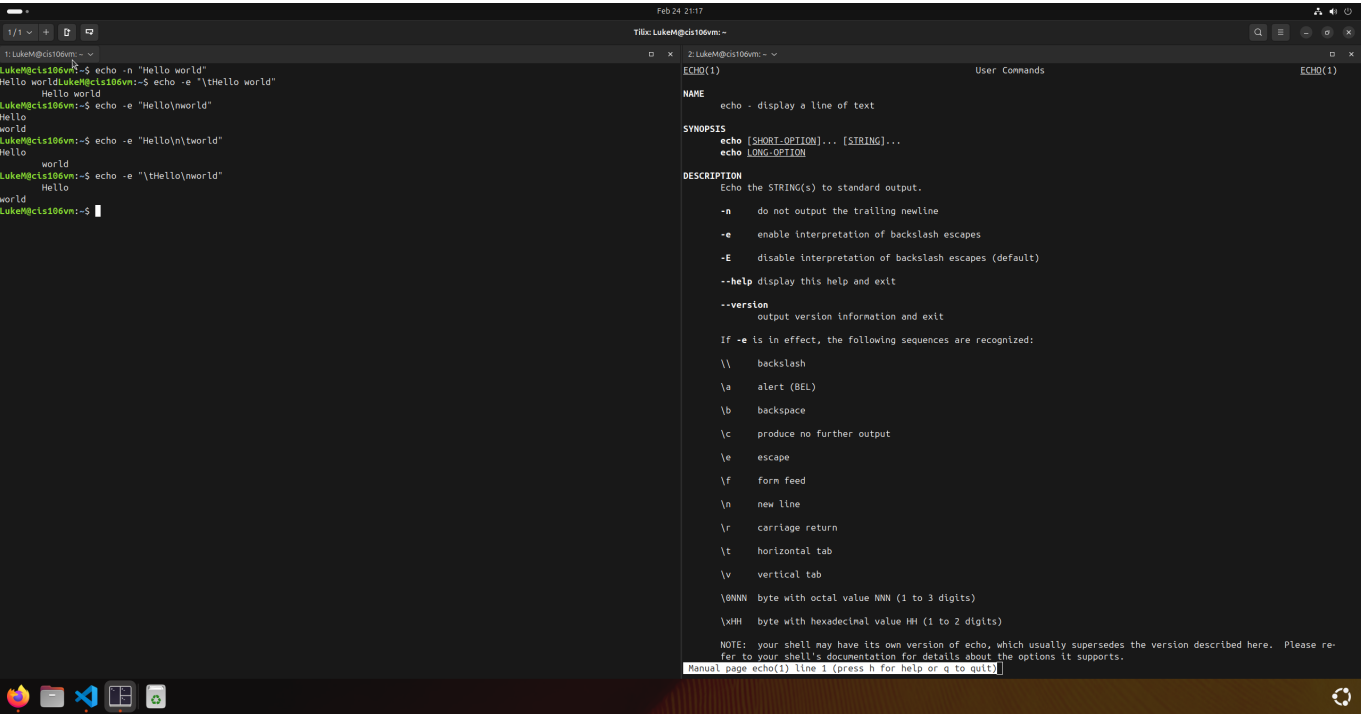
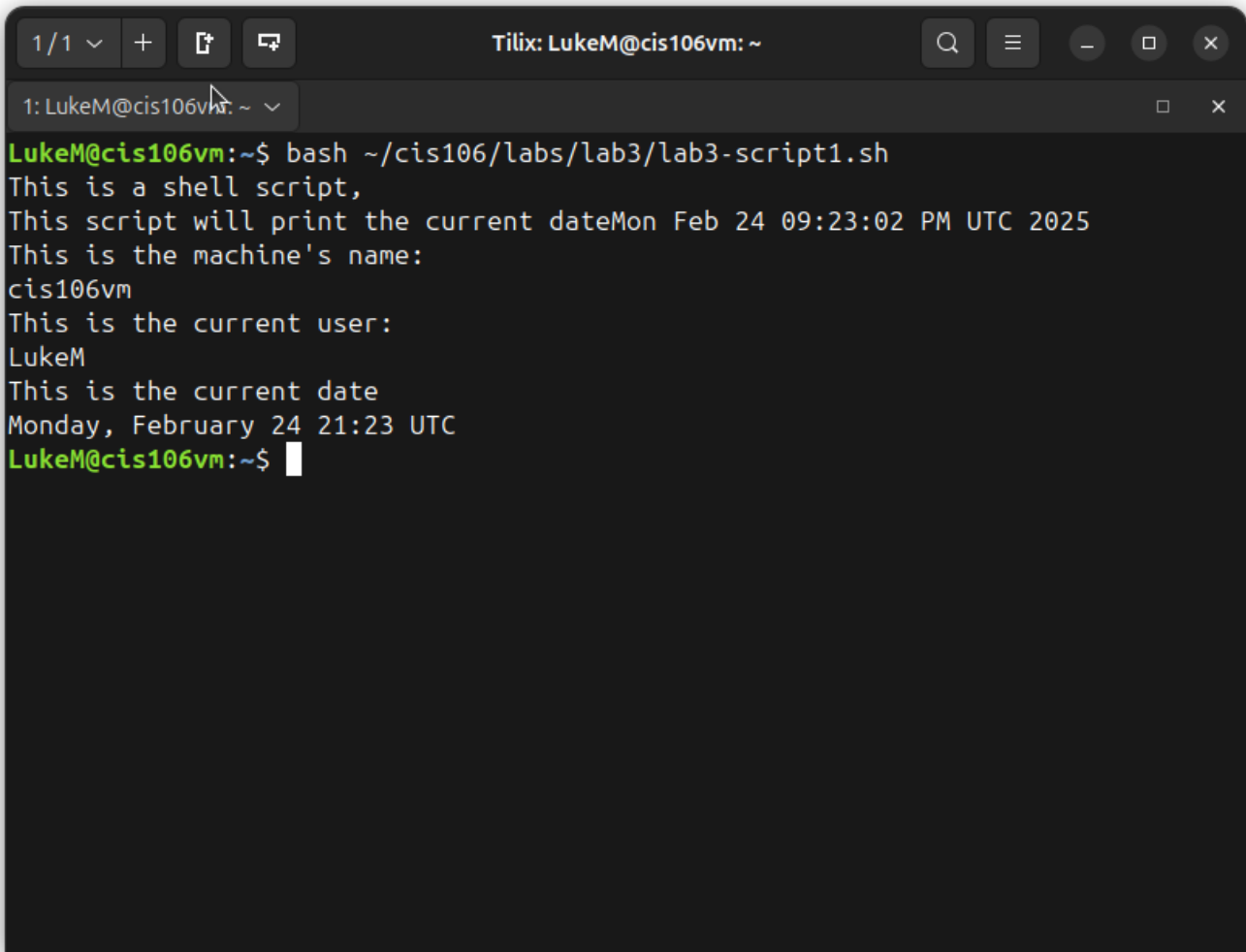


# Lab 3 Submission

## Question 2



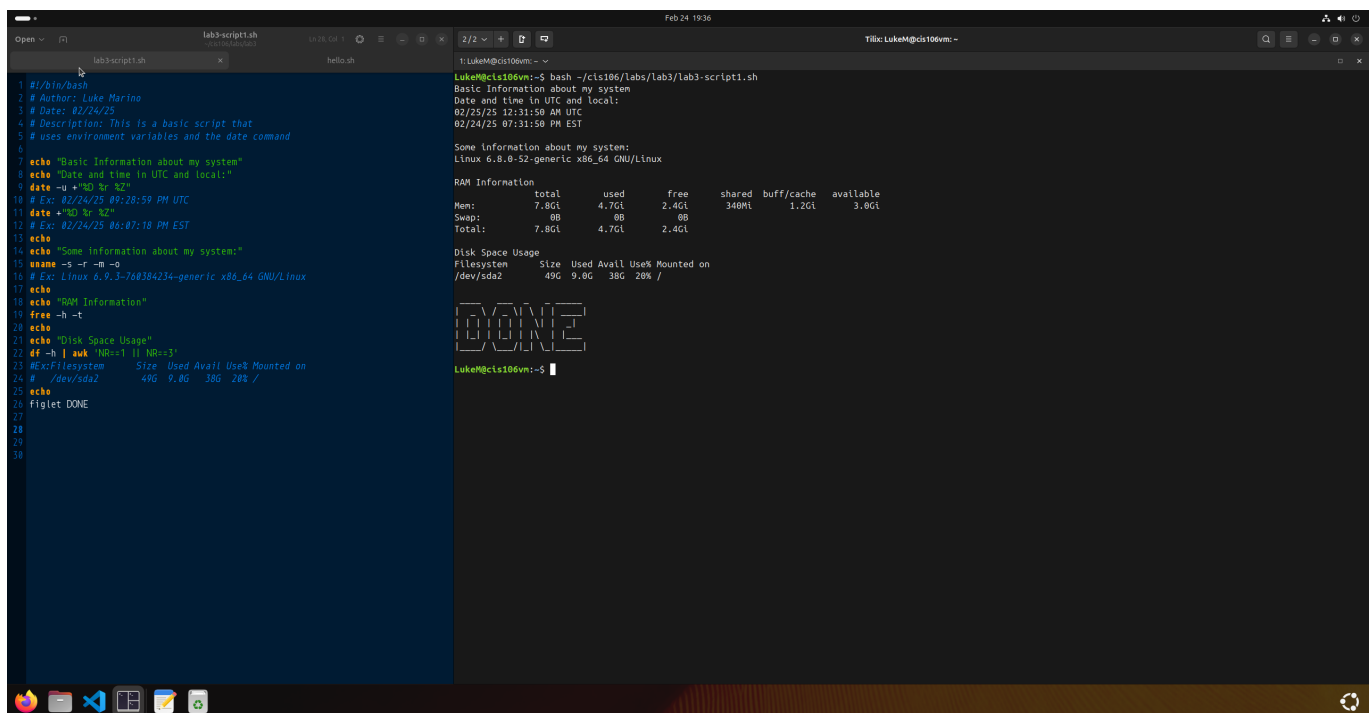
## Question 3



A terminal window titled "Tilix: LukeM@cis106vm: ~" shows the execution of a shell script. The prompt is "1: LukeM@cis106vm: ~". The user enters "bash ~/cis106/labs/lab3/lab3-script1.sh". The script outputs the following text:

```
LukeM@cis106vm:~$ bash ~/cis106/labs/lab3/lab3-script1.sh
This is a shell script,
This script will print the current dateMon Feb 24 09:23:02 PM UTC 2025
This is the machine's name:
cis106vm
This is the current user:
LukeM
This is the current date
Monday, February 24 21:23 UTC
LukeM@cis106vm:~$
```

## Challenge Question



A terminal window titled "Tilix: LukeM@cis106vm: ~" shows the source code of a shell script in a file named "lab3-script1.sh". The script is a basic system information script. The output of the script is shown in the terminal window.

```
1 #!/bin/bash
2 # Author: Luke Marino
3 # Date: 02/24/25
4 # Description: This is a basic script that
5 # uses environment variables and the date command
6
7 echo "Basic Information about my system"
8 echo "Date and time in UTC and local:"
9 date +%Y-%m-%d %H:%M:%S UTC
10 # Ex: 02/24/25 09:23:02 PM UTC
11 date +%Y-%m-%d %H:%M:%S
12 # Ex: 02/24/25 06:07:18 PM EST
13
14 echo "Some Information about my system:"
15 uname -s -r -m -o
16 # Ex: Linux 6.9.3-708384234-generic x86_64 GNU/Linux
17
18 echo "RAM Information"
19 free -h -t
20
21 echo "Disk Space Usage"
22 df -h | awk 'NR==1 || NR==3'
23 # Ex: Filesystem      Size  Used Avail Use% Mounted on
24 #    /dev/sda2        49G   9.8G   38G   20% /
25
26 echo
27 figlet DONE
28
29
30
```

The output of the script is shown in the terminal window:

```
LukeM@cis106vm:~$ bash ~/cis106/labs/lab3/lab3-script1.sh
Basic Information about my system
Date and time in UTC and local:
02/25/25 12:31:58 AM UTC
02/24/25 07:31:58 PM EST

Some information about my system:
Linux 6.8.0-52-generic x86_64 GNU/Linux

RAM Information
              total        used        free      shared  buff/cache   available
Mem:           7.8GiB       4.7GiB       2.4GiB       340MiB       1.2GiB       3.6GiB
Swap:            0B           0B           0B
Total:           7.8GiB       4.7GiB       2.4GiB

Disk Space Usage
Filesystem      Size  Used Avail Use% Mounted on
/dev/sda2        49G   9.8G   38G   20% /

LukeM@cis106vm:~$
```

Script Source code:

lab3