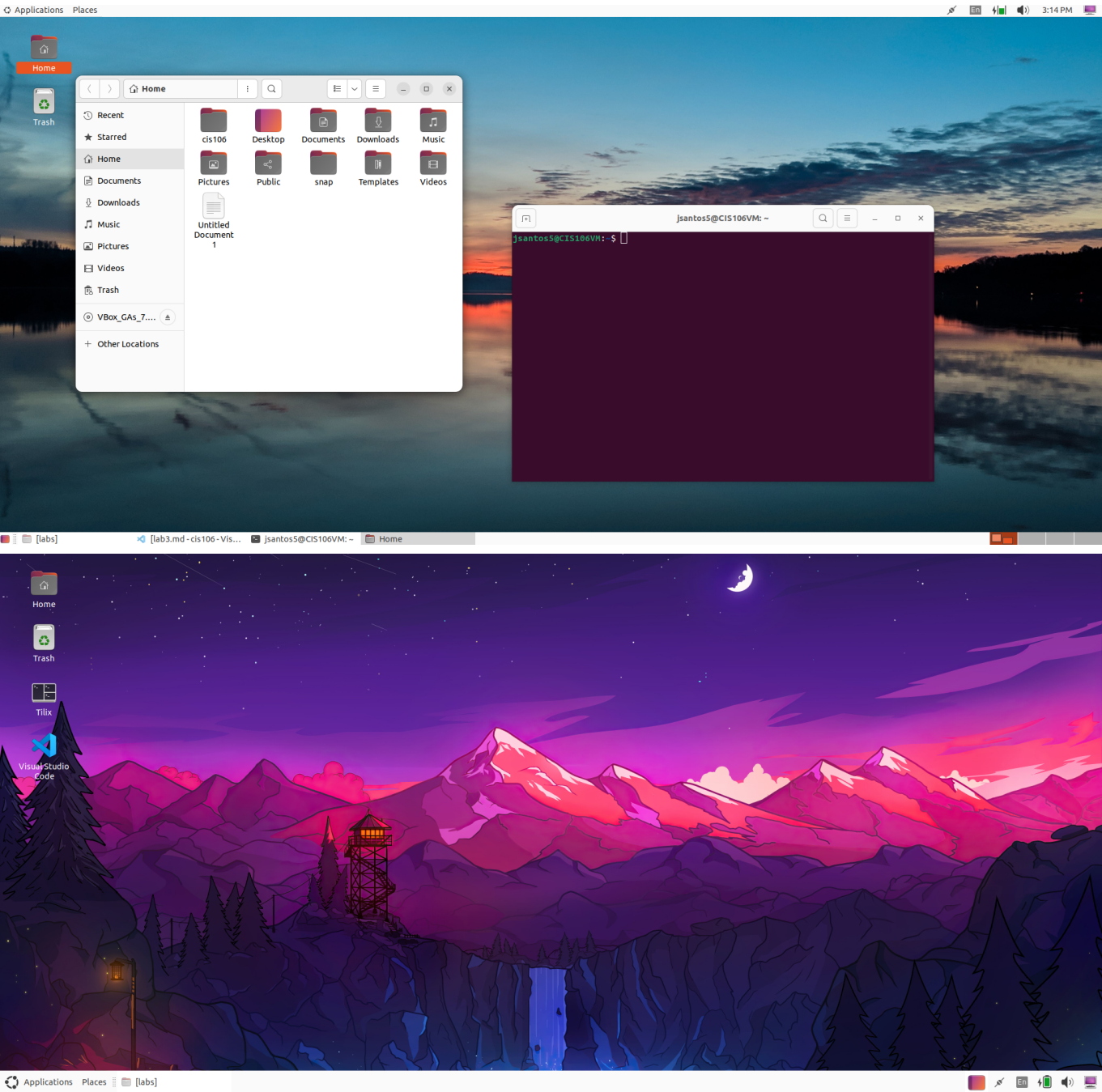


# Lab 3 Submission

## Question 1



## Question 2

The screenshot shows a terminal window with two panes. The left pane displays the manual page for the 'echo' command, and the right pane shows the terminal output of various echo commands.

**Manual page for 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.

**Options:**

- 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)
- \b backspace
- \c produce no further output
- \e escape
- \f form feed
- \n new line
- \r carriage return
- \t horizontal tab
- \v vertical tab

**Terminal Output (Right Pane):**

```
jsantos5@CIS106VM:~$ echo "hello"
hello
jsantos5@CIS106VM:~$ echo -n "hello"
hellojsantos5@CIS106VM:~$ echo -e "\thello"
    hello
jsantos5@CIS106VM:~$ echo -e "This is line1\nThis is line 2"
This is line1
This is line 2
jsantos5@CIS106VM:~$ echo -e "This is line1\n\tThis is line 2"
This is line1
    This is line 2
jsantos5@CIS106VM:~$ echo -e "\tThis is line 1\n\tThis is line 2"
    This is line 1
    This is line 2
jsantos5@CIS106VM:~$
```

## Question 3

The screenshot shows a terminal window with the following output:

```
jsantos5@CIS106VM:~$ bash ~/cis106/labs/lab3/lab3-script1.sh
bash: /home/jsantos5/cis106/labs/lab3/lab3-script1.sh: No such file or directory
jsantos5@CIS106VM:~$ bash~cis106/labs/lab 3/lab3-script1.sh
bash: bash~cis106/labs/lab: No such file or directory
jsantos5@CIS106VM:~$ bash ~cis106/labs/lab 3/lab3-script1.sh
bash: ~cis106/labs/lab: No such file or directory
jsantos5@CIS106VM:~$ bash ~cis106/labs/lab3/lab3-script1.sh
bash: ~cis106/labs/lab3/lab3-script1.sh: No such file or directory
jsantos5@CIS106VM:~$ bash ~/cis106/labs/lab3/lab3-script1.sh
This is a shell script,
This script will print the current date: Thu Mar 14 03:49:48 PM EDT 2024
This is the machine's name:
CIS106VM
This is the current user:
jsantos5
jsantos5@CIS106VM:~$
```

## Challenge Ques

tion

```
1: jsantos5@CIS106VM: ~  
jsantos5@CIS106VM:~$ sudo update-alternatives --install /usr/bin/e-terminal-emulator x-terminal-emulator /usr/bin/tltx 1  
[sudo] password for jsantos5:  
update-alternatives: renaming x-terminal-emulator link from /usr/bin/x-terminal-emulator to /usr/bin/e-terminal-emulator  
jsantos5@CIS106VM:~$ bash ~/cis106/labs/lab3/lab3-script2.sh  
bash: /home/jsantos5/cis106/labs/lab3/lab3-script2.sh: No such file or directory  
jsantos5@CIS106VM:~$ bash ~/cis106/labs/lab3/lab3-script2.sh  
The current date is:  
Thu, 14 Mar 2024 16:09:33 -0400  
  
Some information about my system:  
Linux CIS106VM 6.5.0-25-generic #25-22.04.1-Ubuntu SMP PREEMPT_DYNAMIC Tue Feb 20 16:09:15 UTC 2 x86_64 x86_64 x86_64 GNU/Linux  
  
RAM Information  
total      used      free      shared  buff/cache  available  
Mem:       2          1          0          0          0          0  
Swap:      2          0          1          0          0          0  
  
Challenge Question Complete  
jsantos5@CIS106VM:~$ █
```

Applications Places Tltx: jsantos5@CIS10... [Preview lab3.md - cis... 🔍 🔊 🖱

Script Source code:

lab3