

Student: Bryan Pasato semester: Spring 24 Assignment: Lab 3

## Lab 3 Submission

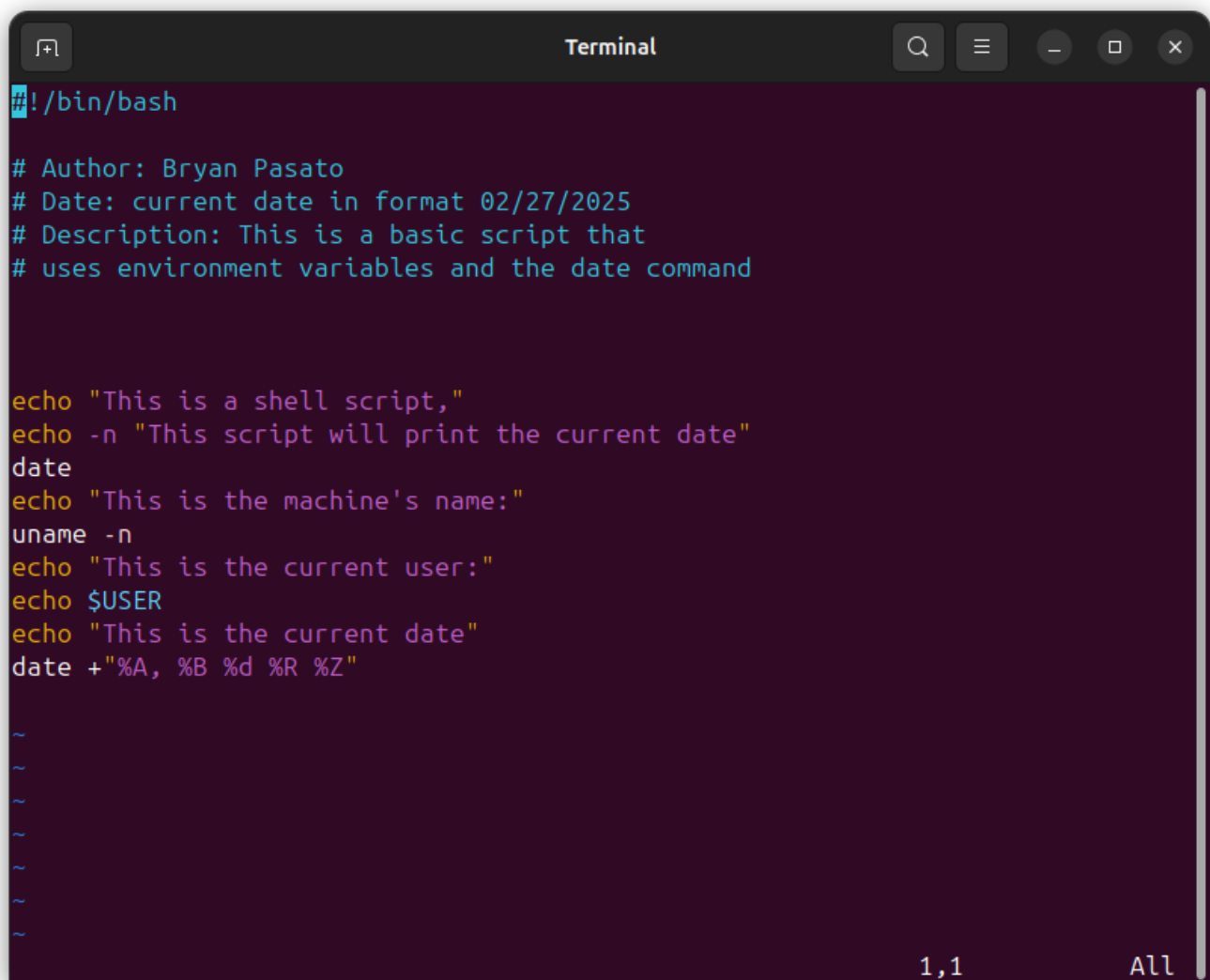
### Question 2

The screenshot shows a Tmux terminal window with two panes. The left pane shows a series of commands and their outputs for the 'echo' command. The right pane shows the help text for 'echo'.

```
1: bpasato@eva-01: ~  
bpasato@eva-01:~$ echo "hello world"  
hello world  
bpasato@eva-01:~$ echo -n "hello world"  
bpasato@eva-01:~$ echo -e "\thello world"  
    hello world  
bpasato@eva-01:~$ echo -e "\thello\nworld"  
    hello  
world  
bpasato@eva-01:~$ echo -e "line1 \n line2"  
line1  
    line2  
bpasato@eva-01:~$ echo -e "line1\n\tline2"  
line1  
    line2  
bpasato@eva-01:~$ echo -e "\nline1\n\tline2"  
line1  
    line2  
bpasato@eva-01:~$ echo -e "\tline1\n\tline2"  
    line1  
    line2  
bpasato@eva-01:~$
```

2: bpasato@eva-01: ~  
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:  
  
 \\ backslash  
  
 \a alert (BEL)  
o(1) line 1 (press h for help or q to quit)

### Question 3

A terminal window titled "Terminal" with a dark background and light-colored text. The window contains a shell script. The script starts with a shebang line, followed by comments about the author, date, and description. It then uses echo and date commands to print information about the script, the machine's name, the current user, and the current date. The terminal shows the script being executed, with the output of the date command visible. The terminal window has a search bar and a list of search results at the bottom right.

```
#!/bin/bash

# Author: Bryan Pasato
# Date: current date in format 02/27/2025
# Description: This is a basic script that
# uses environment variables and the date command

echo "This is a shell script,"
echo -n "This script will print the current date"
date
echo "This is the machine's name:"
uname -n
echo "This is the current user:"
echo $USER
echo "This is the current date"
date +"%A, %B %d %R %Z"

~
~
~
~
~
~
~
```

1,1 All

## Challenge Question

```
Terminal
echo "Basic Information about my system"
date
echo "Here is some information about my system"
uname -s
uname -o
uname -p
echo "RAM Information"
free
echo "Disk Space Usage "
df
~
~
~
~
~
~
~
~
~
~
~/cis106/Labs/Lab3/challenge_lab3.sh 10L, 181B 1,1 All
```

Script Source code:

lab3