

Lab 3 Submission

Question 2

```
1: mig@cis106: ~  
mig@cis106:~$ echo "hello class"  
hello class  
mig@cis106:~$ echo -n "hello class"  
hello classmig@cis106:~$ echo -e "hello\nworld"  
hello  
world  
mig@cis106:~$ echo -e "hello\n\tvworld"  
hello  
  
world  
mig@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:  
  
    \\    backslash  
    \a    alert (BEL)  
    \b    backspace  
    \c    produce no further output  
Manual page echo(1) line 1 (press h for help or q to quit)
```

Question 3

```
lab3-script1.sh Ln 3, Col 40  
1 #!/bin/bash  
2 # Author: Miguel Gamarra  
3 # Date: current date in format 03/02/25  
4 # Description: This is a basic script that  
5 # uses environment variables and the date command  
6  
7 echo "This is a shell script,"  
8 echo -n "This script will print the current date"  
9 date  
10 echo "This is the machine's name:"  
11 uname -n  
12 echo "This is the current user:"  
13 echo $USER  
14 echo "This is the current date"  
15 date +%A, %B %d %R %Z  
16
```

```
Tilix: mig@cis106: ~  
1: mig@cis106: ~  
mig@cis106:~$ bash ~/cis106/labs/lab3/lab3-script1.sh  
This is a shell script,  
This script will print the current dateSun Mar 2 06:35:46 PM EST 2025  
This is the machine's name:  
cis106  
This is the current user:  
mig  
This is the current date  
Sunday, March 02 18:35 EST  
mig@cis106:~$
```

Challenge Question

challenge-lab3.sh
~/.cis106/labs/lab3

Ln 6, Col 17

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15

#!/bin/bash
Author: your name
Date: current date in format mm/dd/yy
Description: Challenge Question Solution

echo -e "Basic Information about my system\nDate and time in UTC
and local:"
date -u +"%D-%X-%Z"
date +"%D-%X-%Z"
echo -e "\nSome information about my system:"
uname -s -r -i -o
echo -e "\nRAM Information"
free -g --human --total
echo -e "\nDisk Space Usage"
df -h /
figlet DONE

Tilix: mig@cis106: ~

1: mig@cis106: ~

mig@cis106:~\$ bash ~/.cis106/labs/lab3/challenge-lab3.sh

Basic Information about my system
Date and time in UTC and local:
03/03/25-12:03:21 AM-UTC
03/02/25-07:03:21 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:	3.8Gi	2.3Gi	677Mi	170Mi	1.2Gi	1.5Gi
Swap:	3.8Gi	137Mi	3.7Gi			
Total:	7.6Gi	2.4Gi	4.4Gi			

Disk Space Usage

Filesystem	Size	Used	Avail	Use%	Mounted on
/dev/sda2	49G	14G	34G	29%	/

DONE

mig@cis106:~\$

Script Source code:

[lab3 challenge](#)