

Lab 3 Submission

Question 2

1/1 + [icons]

Tilix: mig@mig-VirtualBox: ~

[icons]

1: mig@mig-VirtualBox: ~

2: mig@mig-VirtualBox: ~

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)

Manual page echo(1) line 1 (press h for help or q to quit)

1: mig@mig-VirtualBox: ~

rig@mig-VirtualBox:~\$ echo "hello world"

hello world

rig@mig-VirtualBox:~\$ echo -n "hello world"

hello worldrig@mig-VirtualBox:~\$ echo -e "\thello world"

hello world

rig@mig-VirtualBox:~\$ echo -e "\thello\nworld"

hello

world

rig@mig-VirtualBox:~\$ echo -e "line1 \n line2"

line1

line2

rig@mig-VirtualBox:~\$ echo -e "line1\n\tline2"

line1

line2

rig@mig-VirtualBox:~\$ echo -e "\nline1\n\tline2"

line1

line2

rig@mig-VirtualBox:~\$ echo -e "\tline1\n\tline2"

line1

line2

rig@mig-VirtualBox:~\$

Question 3

```
mig@mig-VirtualBox: ~  
mig@mig-VirtualBox:~$ bash ~/cis106/labs/lab3/lab3-script1.sh  
This is a shell script,  
This script will print the current dateThu Oct 10 04:59:20 AM EDT 2024  
This is the machine's name:  
mig-VirtualBox  
This is the current user:  
mig  
This is the current date  
Thursday, October 10 04:59 EDT  
mig@mig-VirtualBox:~$
```

Challenge Question

```
1 #!/bin/bash  
2 # Author: Miguel Gamarra  
3 # Date: 10/10/24  
4 # Description: Challenge Question Solution  
5  
6 echo -e "Date and Time:"  
7 date  
8  
9 echo -e "\nSystemInformation:"  
10 echo "Hostname:"  
11 uname -n  
12 echo "Operating System:"  
13 uname -s  
14 echo "Kernel Release:"  
15 uname -r  
16 echo "Kernel Version:"  
17 uname -v  
18 echo "Machine Type:"  
19 uname -m  
20  
21 echo -e "\nDisk Usage Statistics:"  
22 df -h | grep -vE '^Mem'  
23  
24 echo -e "\nSystem Name:"  
25 figlet "Linux"  
26  
27 echo -e "\nSystem Architecture:"  
28 echo "Architecture:"  
29 uname -m  
30  
31 echo -e "\nSystem Name:"  
32 echo "Hostname:"  
33 uname -n
```

```
mig@mig-VirtualBox:~$ bash cis106/labs/lab3/challenge_lab3.sh  
Date and Time:  
Thu Oct 10 05:40:56 AM EDT 2024  
  
SystemInformation:  
Hostname:  
mig-VirtualBox  
Operating System:  
Linux  
Kernel Release:  
6.8.0-44-generic  
Kernel Version:  
#44-Ubuntu SMP PREEMPT_DYNAMIC Tue Aug 13 13:35:26 UTC 2024  
Machine Type:  
x86_64  
  
Disk Usage Statistics:  
Filesystem      Size  Used Avail Use% Mounted on  
tmpfs           392M  1.5M  391M   1% /run  
/dev/sda6       12G   7.3G   3.6G  68% /  
tmpfs           2.0G   18M   1.9G   1% /dev/shm  
tmpfs           5.0M    0   5.0M   0% /run/lock  
tmpfs           392M  148K  392M   1% /run/user/1000  
  
System Name:  
cis106/labs/lab3/challenge_lab3.sh: line 25: figlet: command not found  
  
System Architecture:  
Architecture:  
x86_64  
  
System Name:  
Hostname:  
mig-VirtualBox  
mig@mig-VirtualBox:~$
```

Script Source code:

[lab3 challenge](#)