

# Lab 3 Submission

## Question 2

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Tilix: arjon-adill@cis106: ~

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arjon-adill@cis106: ~  
arjon-adill@cis106:~\$ echo "hello world"  
ello world  
arjon-adill@cis106:~\$ echo -n "hello world"  
ello worldarjon-adill@cis106:~\$ echo -e "\thello\world"  
hello\world  
arjon-adill@cis106:~\$ echo -e "/line1 /n line2"  
line1 /n line2  
arjon-adill@cis106:~\$ echo -e "line1\n\tline2"  
line1  
line2  
arjon-adill@cis106:~\$ echo -e "line1\n\nline2"  
line1  
line2  
arjon-adill@cis106:~\$ echo -e "tline1\n\nline2"  
line1  
line2  
arjon-adill@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

\e escape

\f form feed

## Question 3

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Terminal

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```
#!/bin/bash
# Author: Arjon Adili
# Date: 03/03/25
# Description: challenge question solution

echo "Basic Information about my system"
echo "Date and time in UTC and local:"
date -u
date

echo "Some information about my system:"
uname -a

echo "Ram Information"
free -h

Disk Space usage
free -t

~
~
~
~
~/cis106/labs/lab3/challenge_lab3.sh 18L, 298B 18,1 All
```

## Question 4

```
arjon-adill@cis106: ~  
arjon-adill@cis106:~$ bash ~/cis106/labs/lab3/challenge_lab3.sh  
Basic Information about my system  
Date and time in UTC and local:  
Mon Mar  3 11:39:21 PM UTC 2025  
Mon Mar  3 06:39:21 PM EST 2025  
Some information about my system:  
Linux cis106 6.8.0-52-generic #53-Ubuntu SMP PREEMPT_DYNAMIC Sat Jan 11 00:06:25  
  UTC 2025 x86_64 x86_64 x86_64 GNU/Linux  
Ram Information  
      total        used        free      shared  buff/cache   available  
Mem:    3.8Gi      3.0Gi      305Mi      424Mi       1.2Gi       844Mi  
Swap:    3.8Gi      1.1Gi      2.8Gi  
Disk Space usage  
      total        used        free      shared  buff/cache   available  
Mem:    4010076    3145748    312576    434348    1232492     864328  
Swap:    4009980    1123048    2886932  
Total:    8020056    4268796    3199508  
arjon-adill@cis106:~$
```

Script source code:

[lab3 challenge](#)