

# Lab 3 Submission

## Question 2

1:jaleman2@jaleman2-VirtualBox: ~ ▾

```
jaleman2@jaleman2-VirtualBox:~$ echo "hello world"
hello world
jaleman2@jaleman2-VirtualBox:~$ echo -e "\thello world"
    hello world
jaleman2@jaleman2-VirtualBox:~$ echo -e "\thello\nworld"
    hello
world
jaleman2@jaleman2-VirtualBox:~$ eacho -e "line1 \nline2"
Command 'eacho' not found, did you mean:
  command 'echo' from deb coreutils (9.4-2ubuntu2)
Try: sudo apt install <deb name>
jaleman2@jaleman2-VirtualBox:~$ echo -e "line1 \nline2"
line1
line2
jaleman2@jaleman2-VirtualBox:~$
```

2:jaleman2@jaleman2-VirtualBox: ~ ▾

```
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

\0NNN  byte with octal value
        NNN (1 to 3 digits)

usual page echo(1) line 31 (press h for help or q to quit)
```

## Question 3

```
1:jaleman2@jaleman2-VirtualBox: ~ ▾
jaleman2@jaleman2-VirtualBox:~$ bash ~/cis106/labs/lab3/lab3-script1.sh
This is a shell script,
This script will print the current dateThu Oct  3 02:14:32 PM EDT 2024
This is the machine's name:
jaleman2-VirtualBox
This is the current user:
jaleman2
This is the current date
Thursday, October 03 14:14 EDT
jaleman2@jaleman2-VirtualBox:~$
```

## Challenge Question

□ ×

Date and time in UTC and local:

Thu Oct 3 03:38:42 PM EDT 2024

```
Linux 6.8.0-44-generic x86_64 GNU/Linux
```

```

total      used      free      shared  buff/cache   available
Mem:    4010096    2349968    436268      75300     1580552     1660128
Swap:    4009980      810980    3199000
Total:    8020076    3160948    3635268

```

```
Filesystem      Size  Used Avail Use% Mounted on
/dev/sda2       50G   14G   34G   29% /
```

A 4x4 grid of 16 squares. Each square contains a unique geometric pattern composed of horizontal, vertical, and diagonal lines, some solid and some dashed, and small dots. The patterns are as follows:

- Row 1: 1. Horizontal line with a dot at the center. 2. Vertical line with a dot at the center. 3. Diagonal line from top-left to bottom-right with a dot at the center. 4. Diagonal line from top-right to bottom-left with a dot at the center.
- Row 2: 5. Horizontal line with a dot at the center. 6. Vertical line with a dot at the center. 7. Diagonal line from top-left to bottom-right with a dot at the center. 8. Diagonal line from top-right to bottom-left with a dot at the center.
- Row 3: 9. Horizontal line with a dot at the center. 10. Vertical line with a dot at the center. 11. Diagonal line from top-left to bottom-right with a dot at the center. 12. Diagonal line from top-right to bottom-left with a dot at the center.
- Row 4: 13. Horizontal line with a dot at the center. 14. Vertical line with a dot at the center. 15. Diagonal line from top-left to bottom-right with a dot at the center. 16. Diagonal line from top-right to bottom-left with a dot at the center.

```
jaleman2@jaleman2-VirtualBox:~$
```

lab3