Lab 4 Submission

Question 1

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1/1 ⌄   +   ⌷   ⊡            Tilix: mif@cis106: ~            🔍  ≡   _   ◻   ✕
```

```
1: mif@cis106: ~ ⌄              ◻  ✕    3: mif@cis106: ~ ⌄              ◻  ✕
  ncurses Tetris clone with a bastard a    mif@cis106:~$ apt search --names-only "
lgorithm                                   tetris"
                                           games-tetris/stable 5 all
ltris/stable 2.0.3-1 amd64                   Debian's tetris-like games
  very polished Tetris clone with CPU o
pponents                                   vitetris/stable 0.59.1-3 amd64
                                             Virtual terminal *tris clone
tint/stable 0.07 amd64
  Tetris clone for text based terminal    mif@cis106:~$ █

mif@cis106:~$ ▯
```

```
2: mif@cis106: ~ ⌄                                                    ◻  ✕
bastet/stable 0.43.2-2 amd64
  ncurses Tetris clone with a bastard algorithm

blockattack/stable 2.9.0-1+b1 amd64
  puzzle game inspired by Tetris

blockout2/stable 2.5+dfsg1-2 amd64
  Tetris like game (3D-tetris)

blocks-of-the-undead/stable 1.0-7 amd64
lines 1-10█
```

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```

```
1: mif@cis106: ~ ⌄                                                    ⊟  ◻  ✕
mif@cis106:~$ sudo apt install blackout2+ cuyo+ blockattack-
Error: Unable to locate package blackout2
mif@cis106:~$ sudo apt install blockout2+ cuyo+ blockattack-
The following packages were automatically installed and are no longer required:
  libfmt10      libphysfs1          libsdl2-mixer-2.0-0  libxmp4
  libopusfile0  libsdl2-image-2.0-0  libsdl2-ttf-2.0-0
Use 'sudo apt autoremove' to remove them.

Installing:
  blockout2  cuyo

Installing dependencies:
  cuyo-data  libmikmod3  libsdl-mixer1.2  libsdl1.2debian

REMOVING:
  blockattack

Summary:
  Upgrading: 0, Installing: 6, Removing: 1, Not Upgrading: 13
  Download size: 8,078 kB
  Space needed: 4,102 kB / 37.4 GB available

Continue? [Y/n] y
Get:1 http://deb.debian.org/debian trixie/main amd64 libmikmod3 amd64 3.3.13-1 [
```

```
1/1 ⌄   +   ⬓   ⬒                    Tilix: mif@cis106: ~                    🔍  ☰   _   ▢   ✕

1: mif@cis106: ~ ⌄                                                              �ə  ▢   ✕

REMOVING:
  cuyo

                                        4 / 7

Summary:
  Upgrading: 0, Installing: 0, Removing: 1, Not Upgrading: 13
  Freed space: 489 kB

Continue? [Y/n] y
(Reading database ... 195219 files and directories currently installed.)
Removing cuyo (2.1.0-1) ...
Processing triggers for hicolor-icon-theme (0.18-2) ...
Processing triggers for gnome-menus (3.36.0-3) ...
Processing triggers for mailcap (3.74) ...
Processing triggers for desktop-file-utils (0.28-1) ...
mif@cis106:~$ sudo apt purge cuyo
The following packages were automatically installed and are no longer required:
  cuyo-data  libopusfile0  libsdl2-image-2.0-0  libsdl2-ttf-2.0-0
  libfmt10    libphysfs1     libsdl2-mixer-2.0-0  libxmp4
Use 'sudo apt autoremove' to remove them.

REMOVING:
  cuyo*

Summary:
```
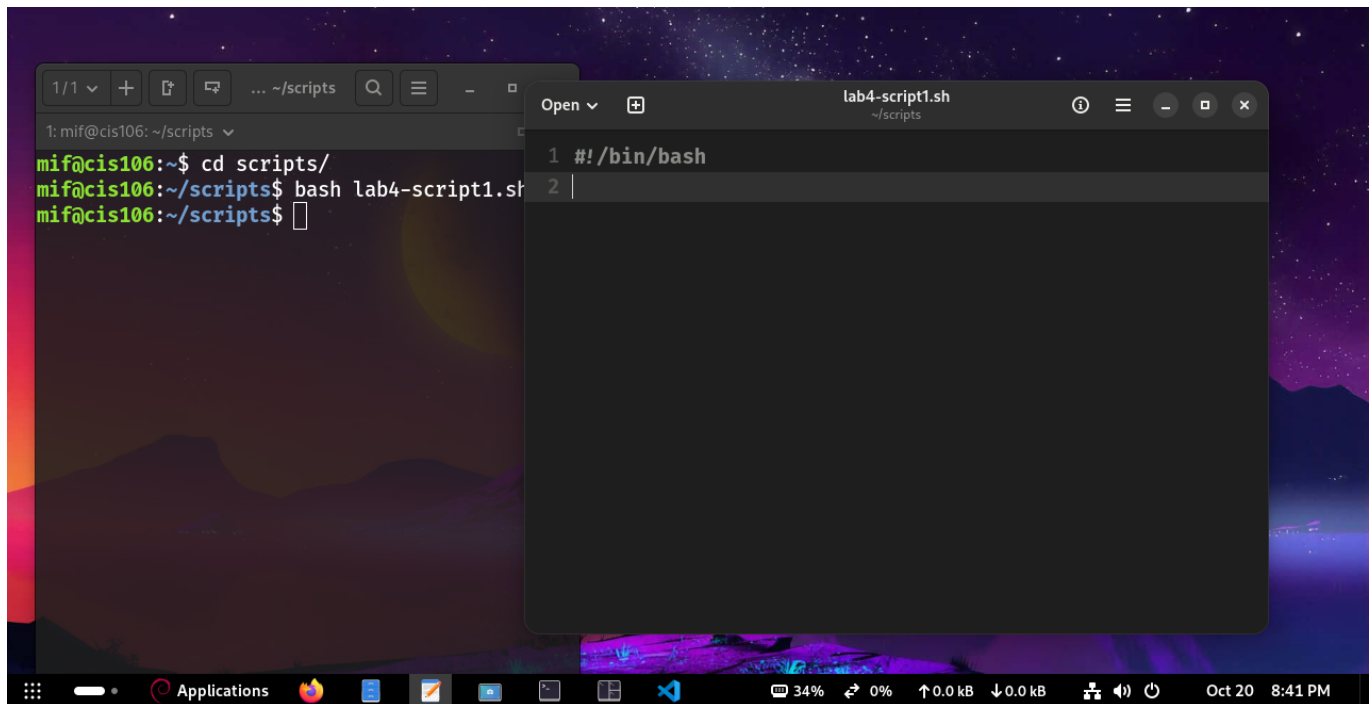
```
1/1 ⌄  +  ⏍  ⊡                Tilix: mif@cis106: ~              Q  ☰   _  ⊡  ✕

1: mif@cis106: ~ ⌄                                                ⊟  ⊡   ✕
mif@cis106:~$ sudo apt clean && sudo apt autoclean && sudo apt autoremove && sud
o apt autopurge
REMOVING:
  cuyo-data   libopusfile0   libsdl2-image-2.0-0   libsdl2-ttf-2.0-0
  libfmt10    libphysfs1     libsdl2-mixer-2.0-0   libxmp4

Summary:
  Upgrading: 0, Installing: 0, Removing: 8, Not Upgrading: 13
  Freed space: 7,495 kB

Continue? [Y/n] y
(Reading database ... 195211 files and directories currently installed.)
Removing cuyo-data (2.1.0-1) ...
Removing libfmt10:amd64 (10.1.1+ds1-4) ...
Removing libsdl2-mixer-2.0-0:amd64 (2.8.1+dfsg-2) ...
Removing libopusfile0:amd64 (0.12-4+b3) ...
Removing libphysfs1:amd64 (3.0.2-6+b2) ...
Removing libsdl2-image-2.0-0:amd64 (2.8.8+dfsg-1) ...
Removing libsdl2-ttf-2.0-0:amd64 (2.24.0+dfsg-2) ...
Removing libxmp4:amd64 (4.6.2-2) ...
Processing triggers for man-db (2.13.1-1) ...
Processing triggers for libc-bin (2.41-12) ...
Summary:
  Upgrading: 0, Installing: 0, Removing: 0, Not Upgrading: 13
```
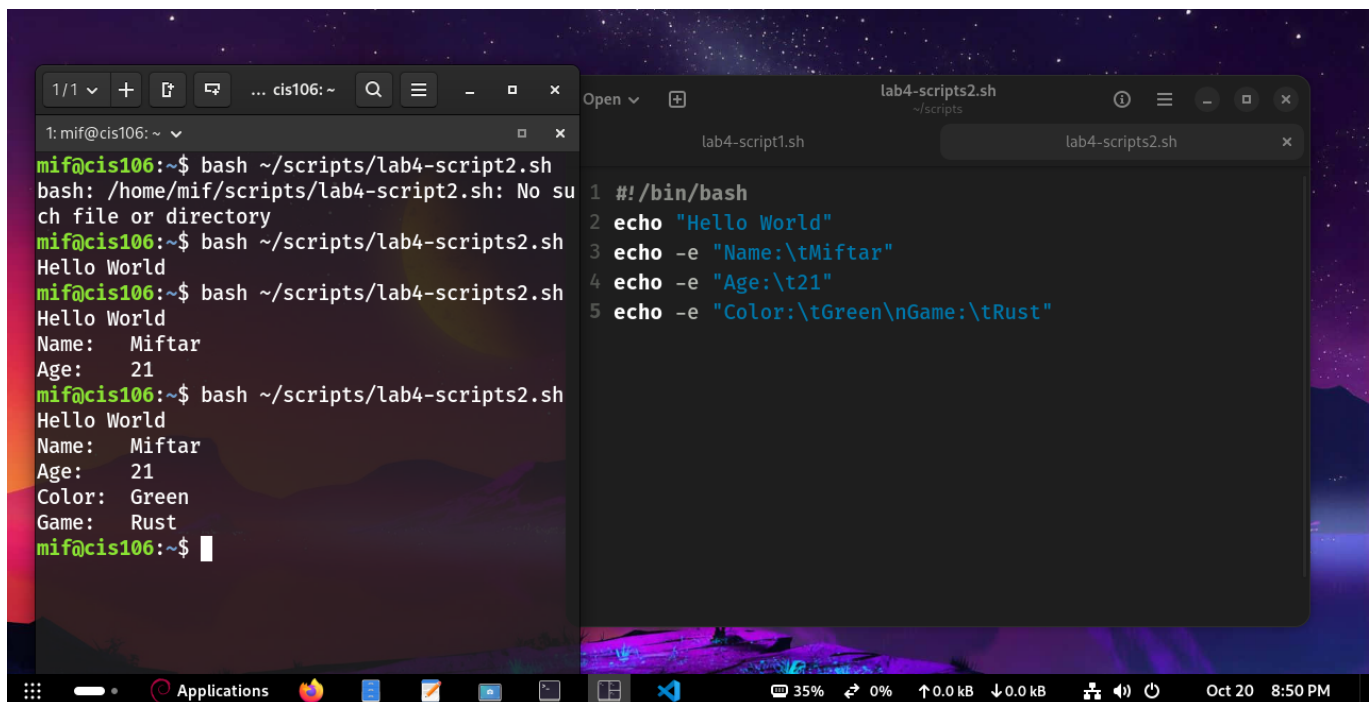
Question 2

Question 3

```bash
#!/bin/bash
echo "─────────────────────────────────────"
figlet System
echo -n "DATE UTC: "
date -u +"%Y-%m-%d %H:%M:%S"
echo -n "HOSTNAME: "
hostname
echo -n "UPTIME: "
uptime -p
echo -n "USER: "
uname
figlet MEMORY
free -h
figlet DISK
df -h /
```

```
----------------------------------------
 ____            _
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\___ \| | | / __| __/ _ \ '_ ` _ \
 ___) | |_| \__ \ ||  __/ | | | | |
|____/ \__, |___/\__\___|_| |_| |_|
       |___/
DATE UTC: 2025-10-21 02:09:19
HOSTNAME: cis106
UPTIME: up 2 hours, 51 minutes
USER: Linux
 __  __ _____ __  __  ___  _____   __
|  \/  | ____|  \/  |/ _ \|  _ \ \ / /
| |\/| |  _| | |\/| | | | | |_) \ V /
| |  | | |___| |  | | |_| |  _ < | |
|_|  |_|_____|_|  |_|\___/|_| \_\|_|
           total       used       free     shared  buff/cache   available
Mem:        3.7Gi      1.4Gi      1.5Gi       13Mi       1.1Gi       2.3Gi
Swap:       2.6Gi         0B      2.6Gi
 ____  ___ ____  _  __
|  _ \|_ _/ ___|| |/ /
| | | || |\___ \| ' /
| |_| || | ___) | . \
|____/___|____/|_|\_\

Filesystem     Size  Used Avail Use% Mounted on
/dev/sda1       47G  8.8G   36G  20% /
----------------------------------------
mif@cis106:~$
```

script