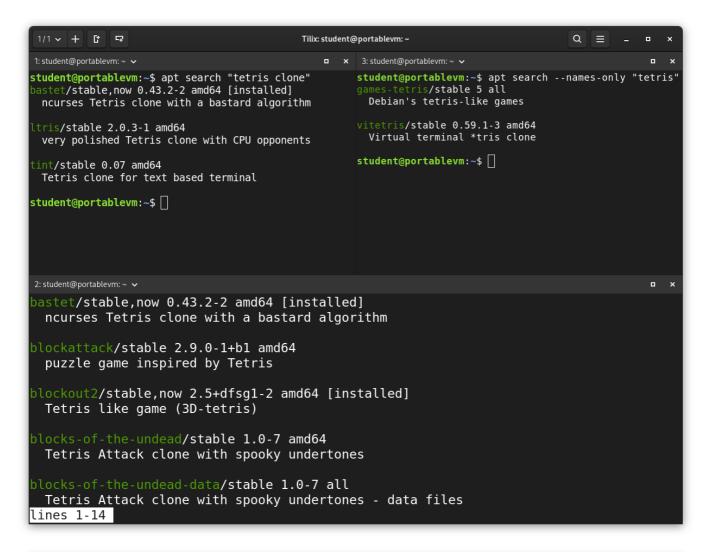
Lab 4 Submission

Question 1



```
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                                     Tilix: student@portablevm: ~
1: student@portablevm: ~ 🗸
student@portablevm:~$ sudo apt install blockout2+ cuyo+ blockattack-
[sudo] password for student:
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:
REMOVING:
Summary:
  Upgrading: 0, Installing: 2, Removing: 1, Not Upgrading: 13
  Download size: 4,403 kB
  Freed space: 2,446 kB
Continue? [Y/n] y
Get:1 http://deb.debian.org/debian trixie/main amd64 blockout2 amd64 2.5+dfsg1-2 [4,2
28 kB]
Get:2 http://deb.debian.org/debian trixie/main amd64 cuyo amd64 2.1.0-1 [175 kB]
Fetched 4,403 kB in 0s (29.4 MB/s)
(Reading database ... 194922 files and directories currently installed.)
Removing blockattack (2.9.0-1+b1) ...
Selecting previously unselected package blockout2.
(Reading database ... 194895 files and directories currently installed.)
Preparing to unpack .../blockout2_2.5+dfsg1-2_amd64.deb ...
Unpacking blockout2 (2.5+dfsg1-2) ...
```

```
Selecting previously unselected package cuyo.

Preparing to unpack .../cuyo_2.1.0-1_amd64.deb ...

Unpacking cuyo (2.1.0-1) ...

Setting up blockout2 (2.5+dfsg1-2) ...

Setting up cuyo (2.1.0-1) ...

Processing triggers for desktop-file-utils (0.28-1) ...

Processing triggers for hicolor-icon-theme (0.18-2) ...

Processing triggers for gnome-menus (3.36.0-3) ...

Processing triggers for man-db (2.13.1-1) ...

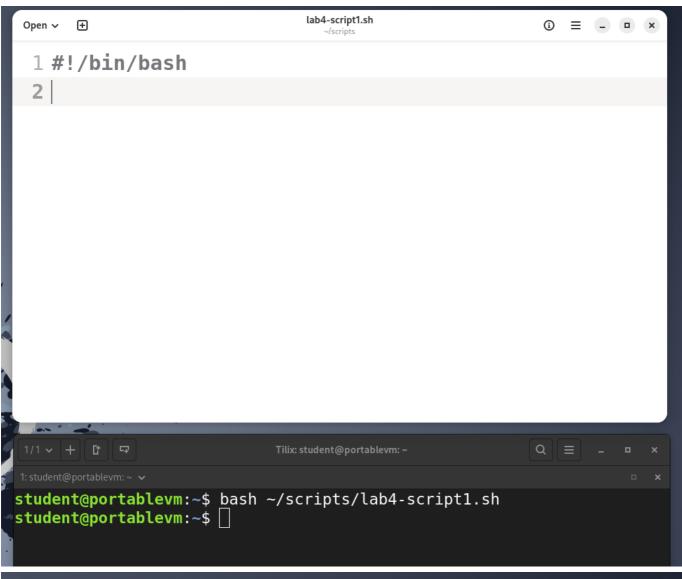
Processing triggers for mailcap (3.74) ...

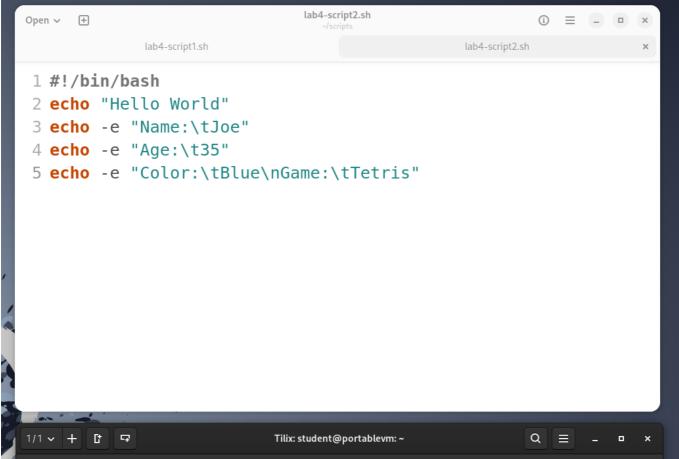
student@portablevm:~$
```

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                                        Tilix: student@portablevm: ~
                                                                                a ≡
1: student@portablevm: ~ 🗸
student@portablevm:~$ sudo apt remove 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:
Summary:
  Upgrading: 0, Installing: 0, Removing: 1, Not Upgrading: 13
  Freed space: 489 kB
Continue? [Y/n]
(Reading database ... 194947 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) ...
student@portablevm:~$ 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:
Summary:
  Upgrading: 0, Installing: 0, Removing: 1, Not Upgrading: 13
  Space needed: 0 B / 12.4 GB available
Continue? [Y/n] y
(Reading database ... 194939 files and directories currently installed.)
Purging configuration files for cuyo (2.1.0-1) ...
student@portablevm:~$
```

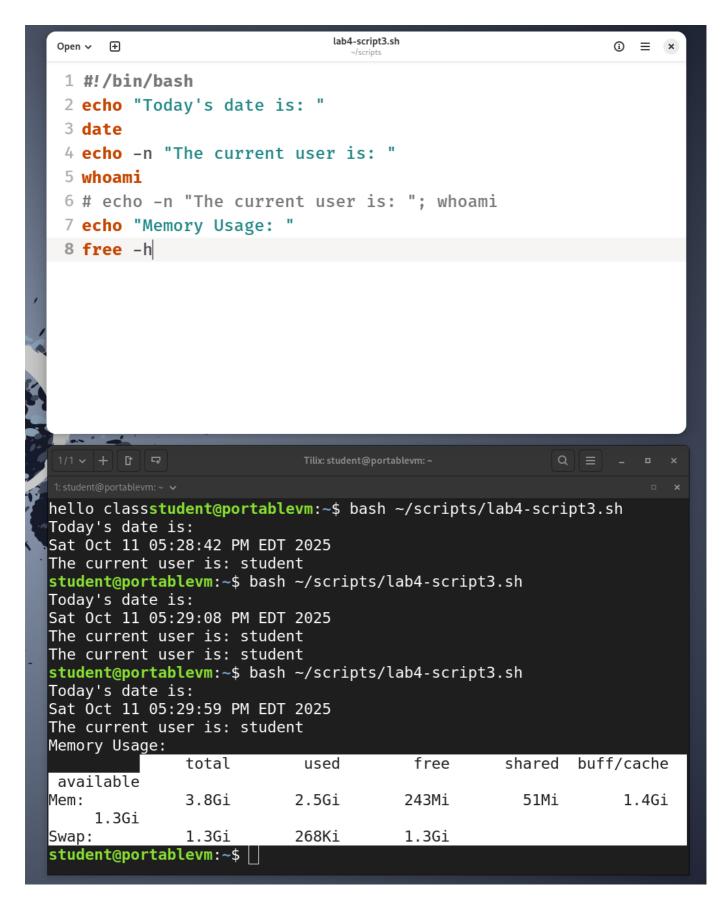
```
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                                     Tilix: student@portablevm: ~
1: student@portablevm: ~ 🗸
student@portablevm:~$ sudo apt clean && sudo apt autoclean && sudo apt autoremove &&
sudo apt autopurge
REMOVING:
Summary:
  Upgrading: 0, Installing: 0, Removing: 8, Not Upgrading: 13
  Freed space: 7,495 kB
Continue? [Y/n] y
(Reading database ... 194939 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
student@portablevm:~$
```

Question 2

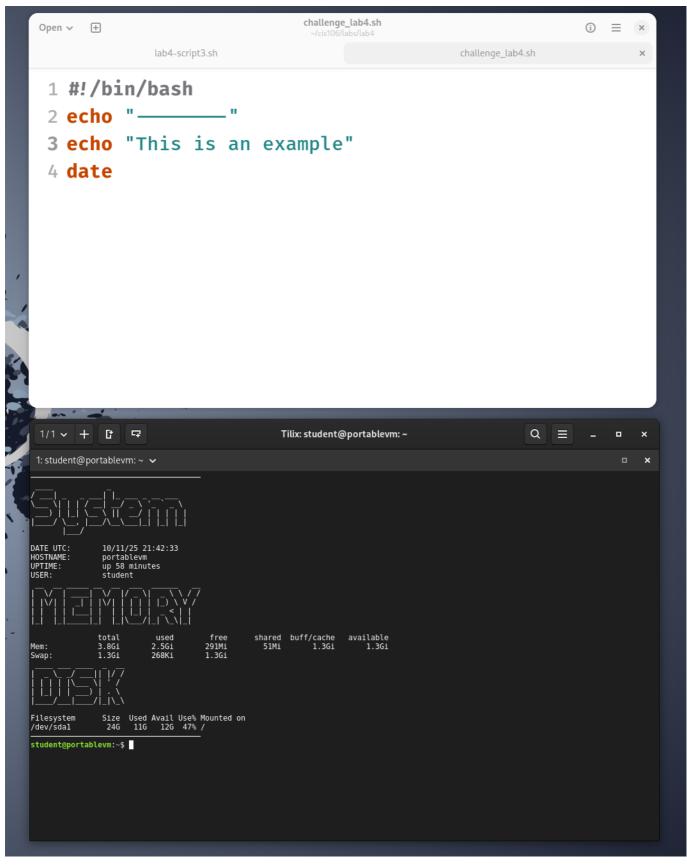




```
1: student@portablevm: ~ 🗸
student@portablevm:~$ man echo
student@portablevm:~$ bash ~/scripts/lab4-script2.sh
Hello World
student@portablevm:~$ man echo
student@portablevm:~$ bash ~/scripts/lab4-script2.sh
Hello World
Name:
       Joe
Age:
        35
student@portablevm:~$ bash ~/scripts/lab4-script2.sh
Hello World
Name:
       Joe
Age:
        35
Color: Blue
       Tetris
Game:
student@portablevm:~$
```



Question 3



script