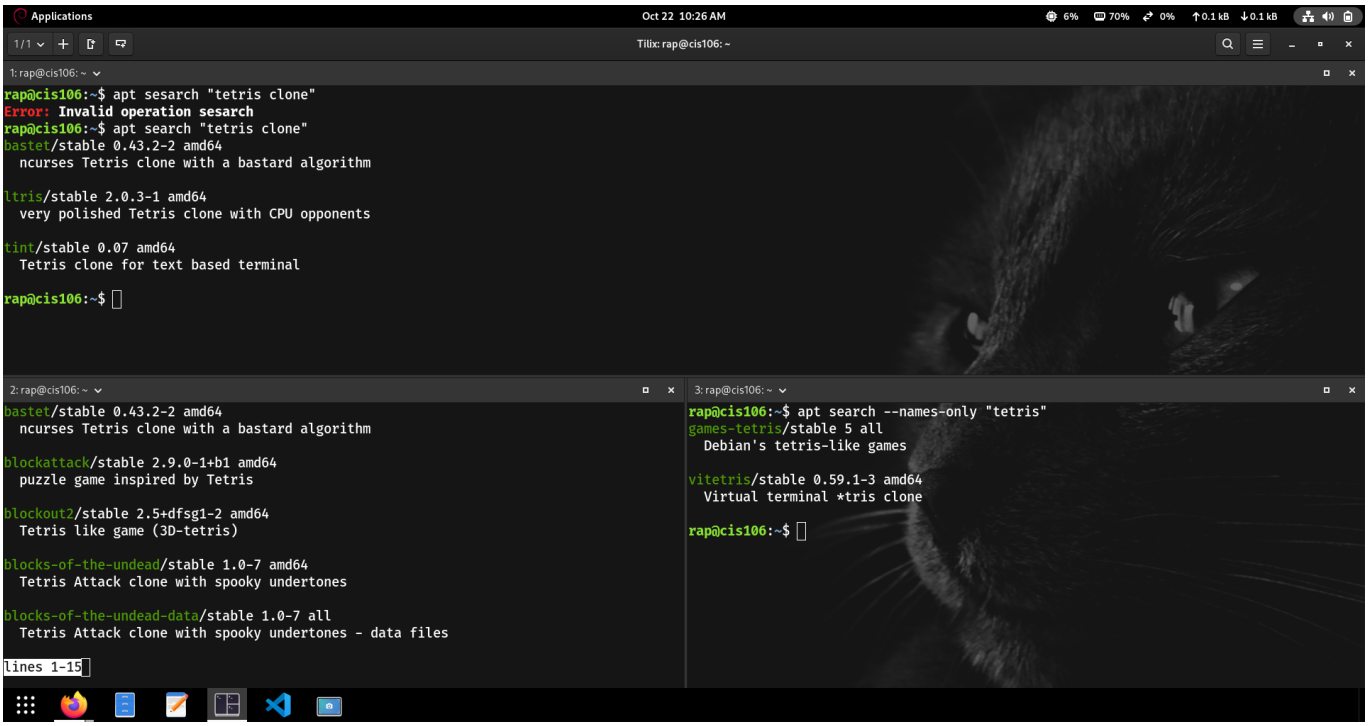
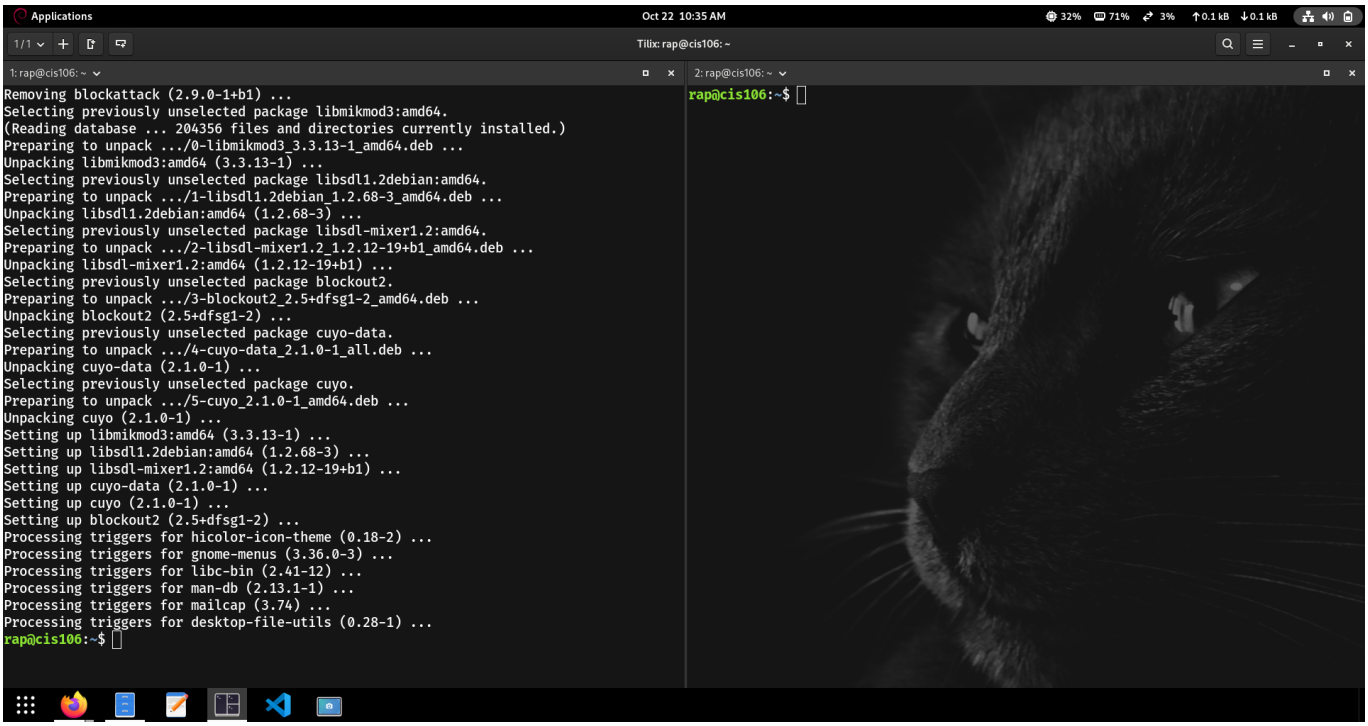
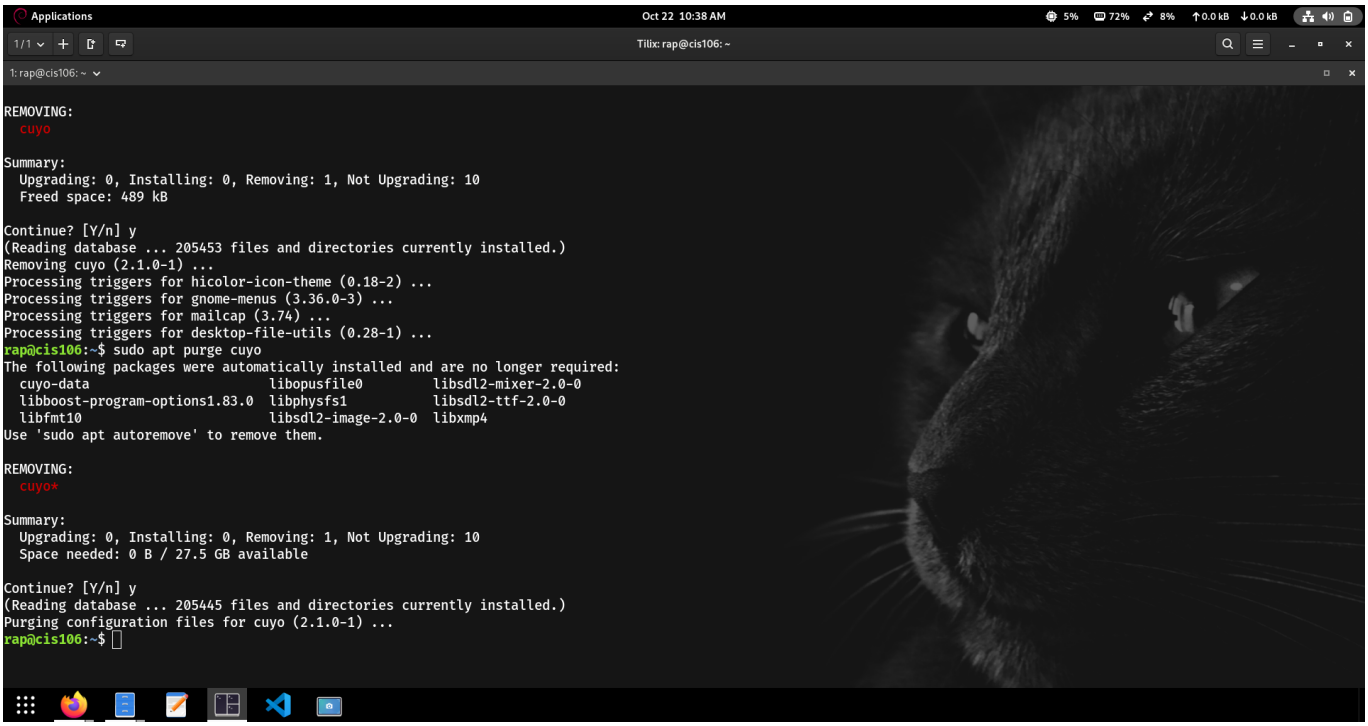
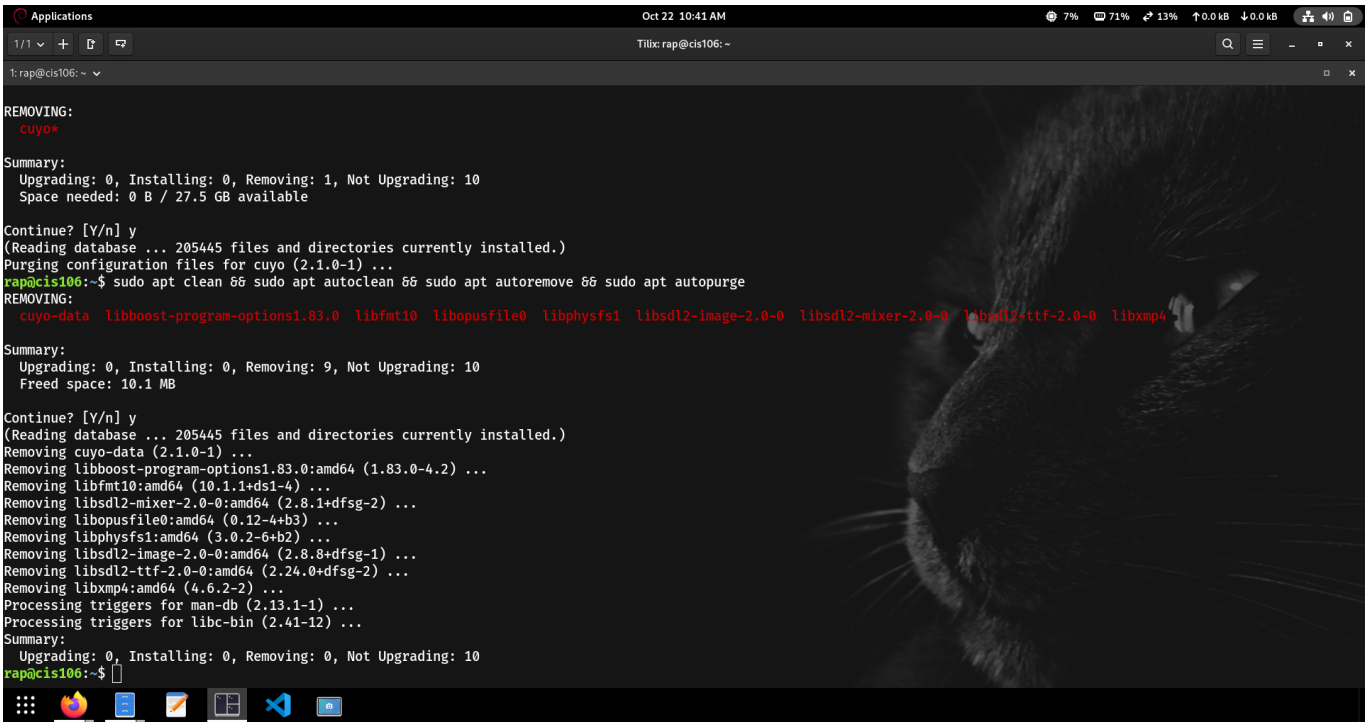
Lab 4 Submission

Question 1

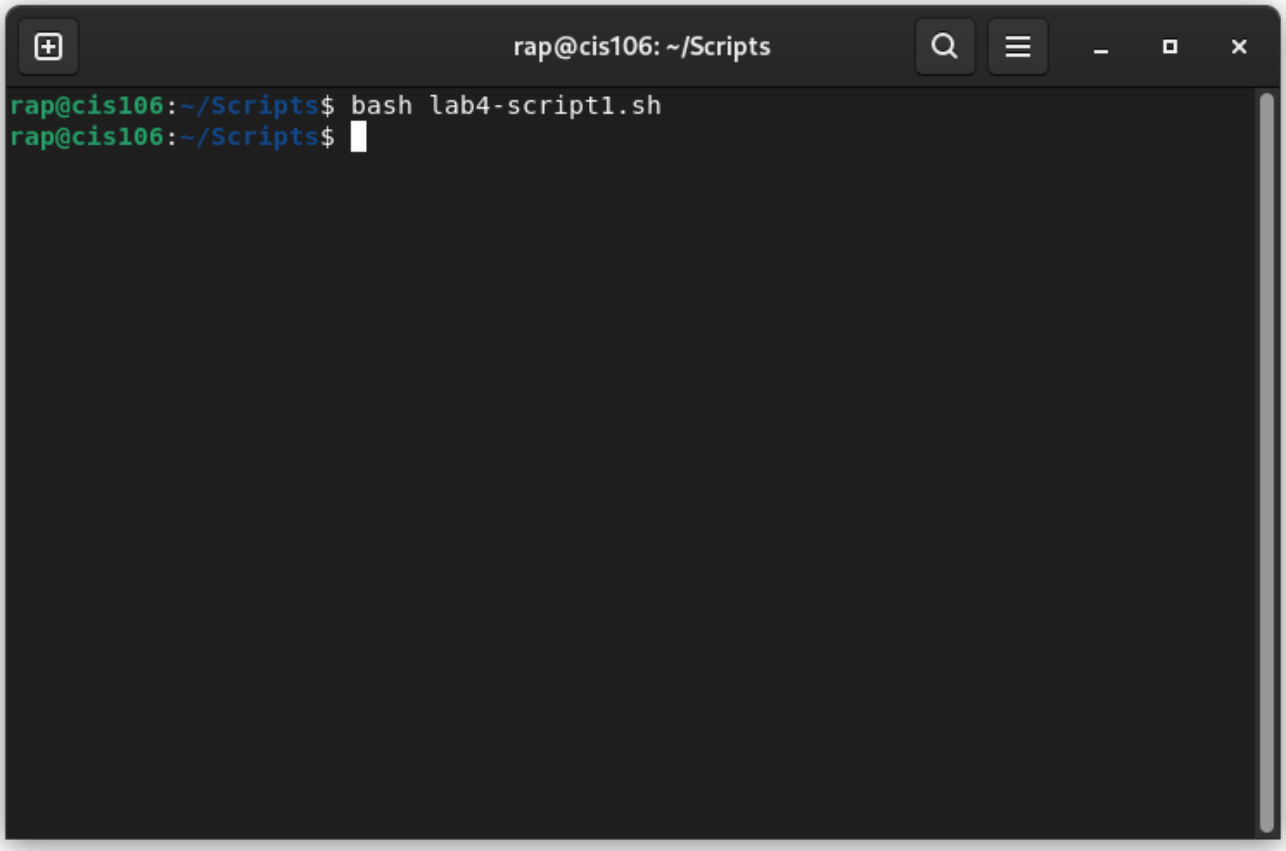


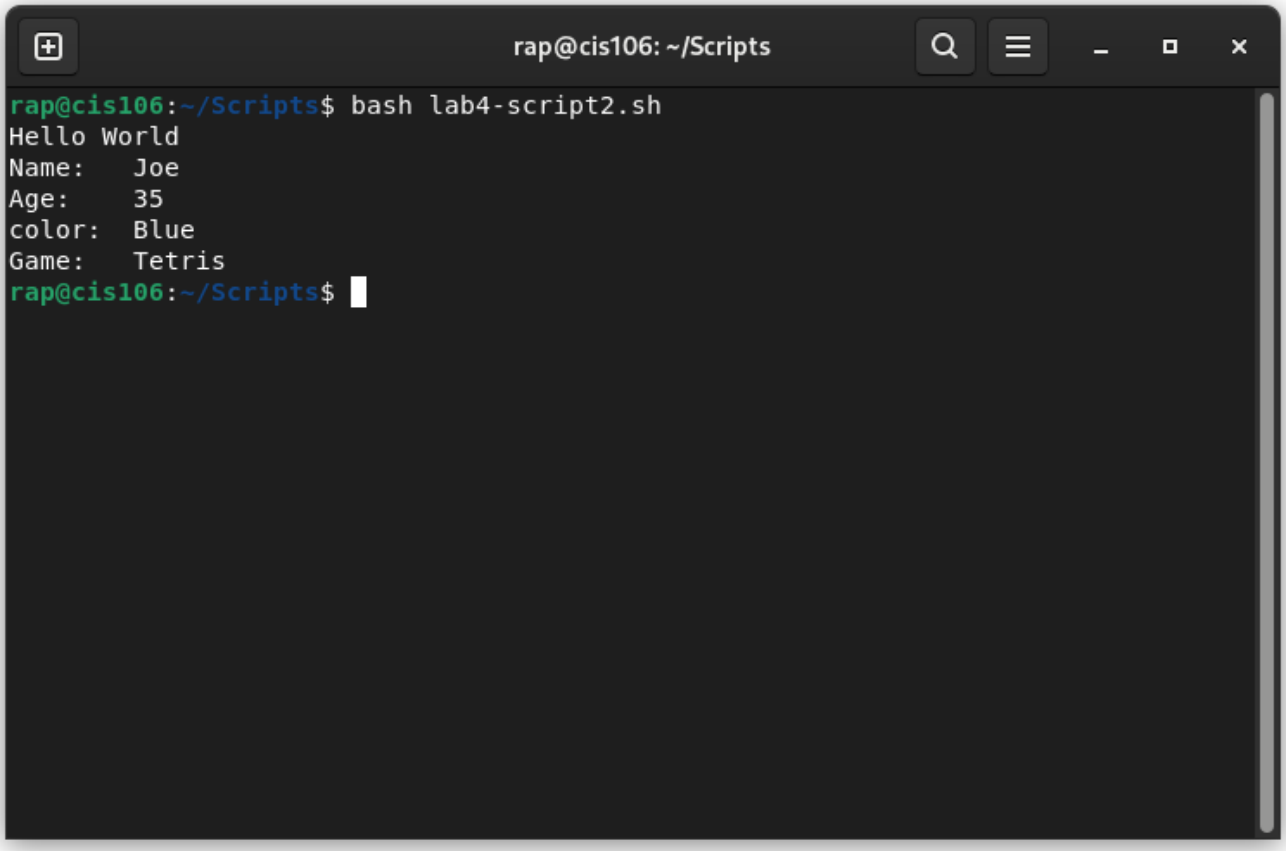


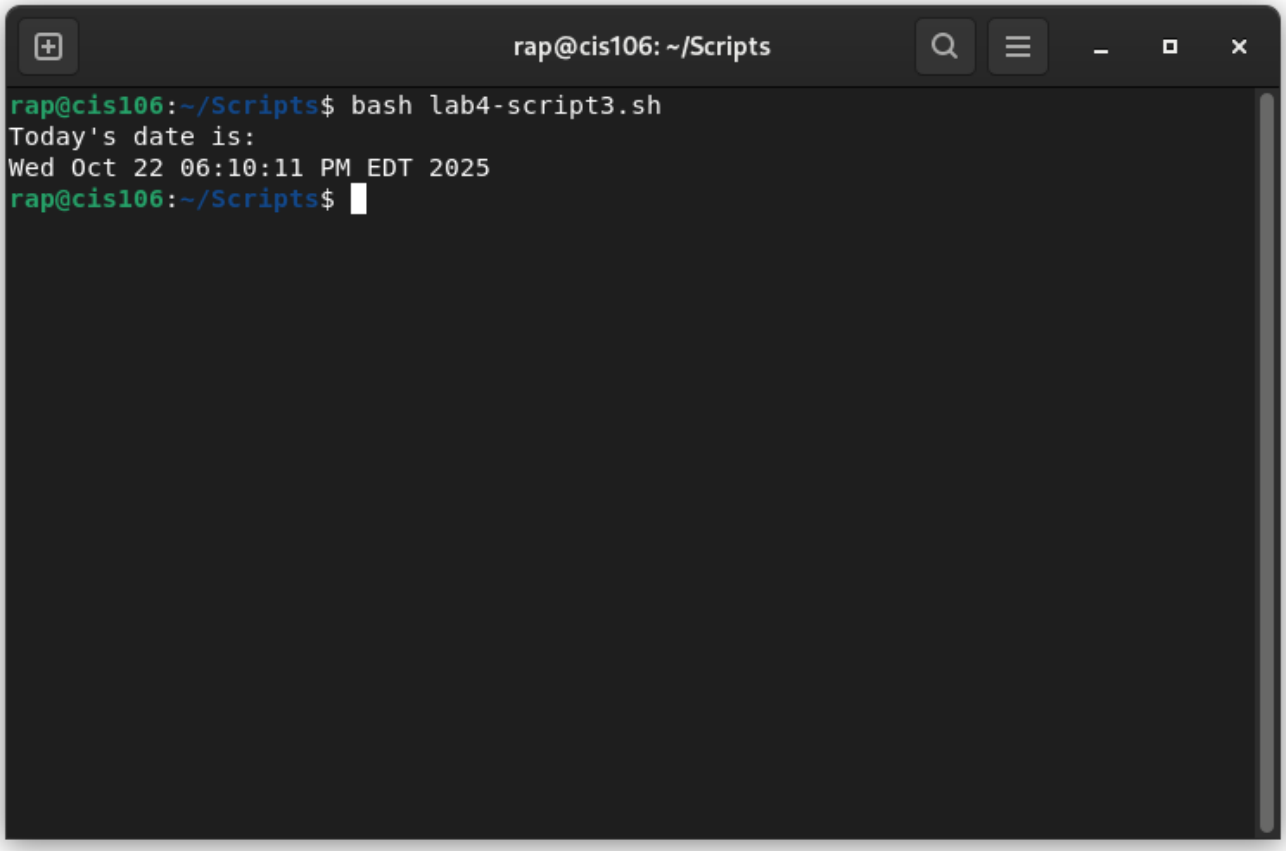

Applications
Oct 22 10:38 AM
Tilix: rap@cis106: ~
1: rap@cis106: ~
REMOVING:
cuyo
Summary:
Upgrading: 0, Installing: 0, Removing: 1, Not Upgrading: 10
Freed space: 489 kB
Continue? [Y/n] y
(Reading database ... 205453 files and directories currently installed.)
Removing cuyo (2.1.0-1) ...
Processing 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) ...
rap@cis106:~$ sudo apt purge cuyo
The following packages were automatically installed and are no longer required:
cuyo-data libopusfile0 libsdl2-mixer-2.0-0
libboost-program-options1.83.0 libphysfs1 libsdl2-ttf-2.0-0
libfmt10 libsdl2-image-2.0-0 libxmp4
Use 'sudo apt autoremove' to remove them.
REMOVING:
cuyo*
Summary:
Upgrading: 0, Installing: 0, Removing: 1, Not Upgrading: 10
Space needed: 0 B / 27.5 GB available
Continue? [Y/n] y
(Reading database ... 205445 files and directories currently installed.)
Purging configuration files for cuyo (2.1.0-1) ...
rap@cis106:~$

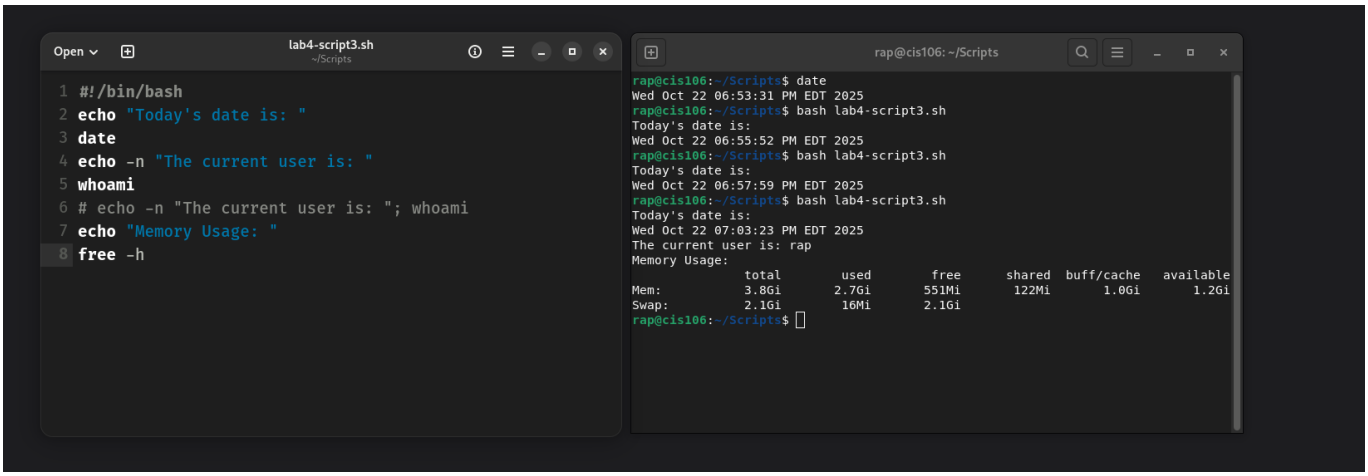

Applications
Oct 22 10:41 AM
Tilix: rap@cis106: ~
1: rap@cis106: ~
REMOVING:
cuyo*
Summary:
Upgrading: 0, Installing: 0, Removing: 1, Not Upgrading: 10
Space needed: 0 B / 27.5 GB available
Continue? [Y/n] y
(Reading database ... 205445 files and directories currently installed.)
Purging configuration files for cuyo (2.1.0-1) ...
rap@cis106:~$ sudo apt clean && sudo apt autoclean && sudo apt autoremove && sudo apt autopurge
REMOVING:
cuyo-data libboost-program-options1.83.0 libfmt10 libopusfile0 libphysfs1 libsdl2-image-2.0-0 libsdl2-mixer-2.0-0 libsdl2-ttf-2.0-0 libxmp4
Summary:
Upgrading: 0, Installing: 0, Removing: 9, Not Upgrading: 10
Freed space: 10.1 MB
Continue? [Y/n] y
(Reading database ... 205445 files and directories currently installed.)
Removing cuyo-data (2.1.0-1) ...
Removing libboost-program-options1.83.0:amd64 (1.83.0-4.2) ...
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: 10
rap@cis106:~$

Question 2

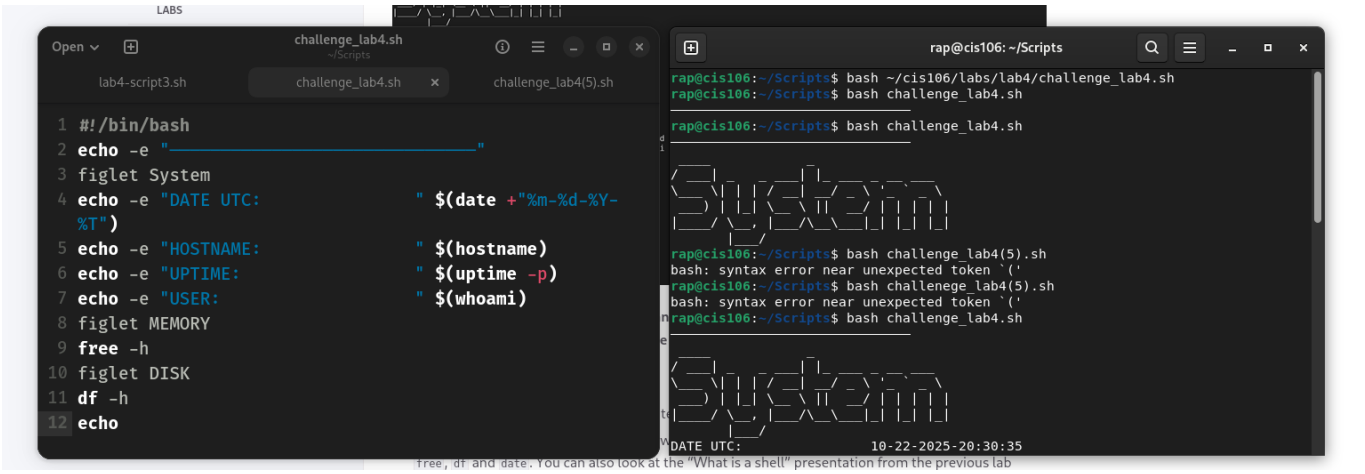

rap@cis106: ~/Scripts
rap@cis106:~/Scripts$ bash lab4-script1.sh
rap@cis106:~/Scripts$

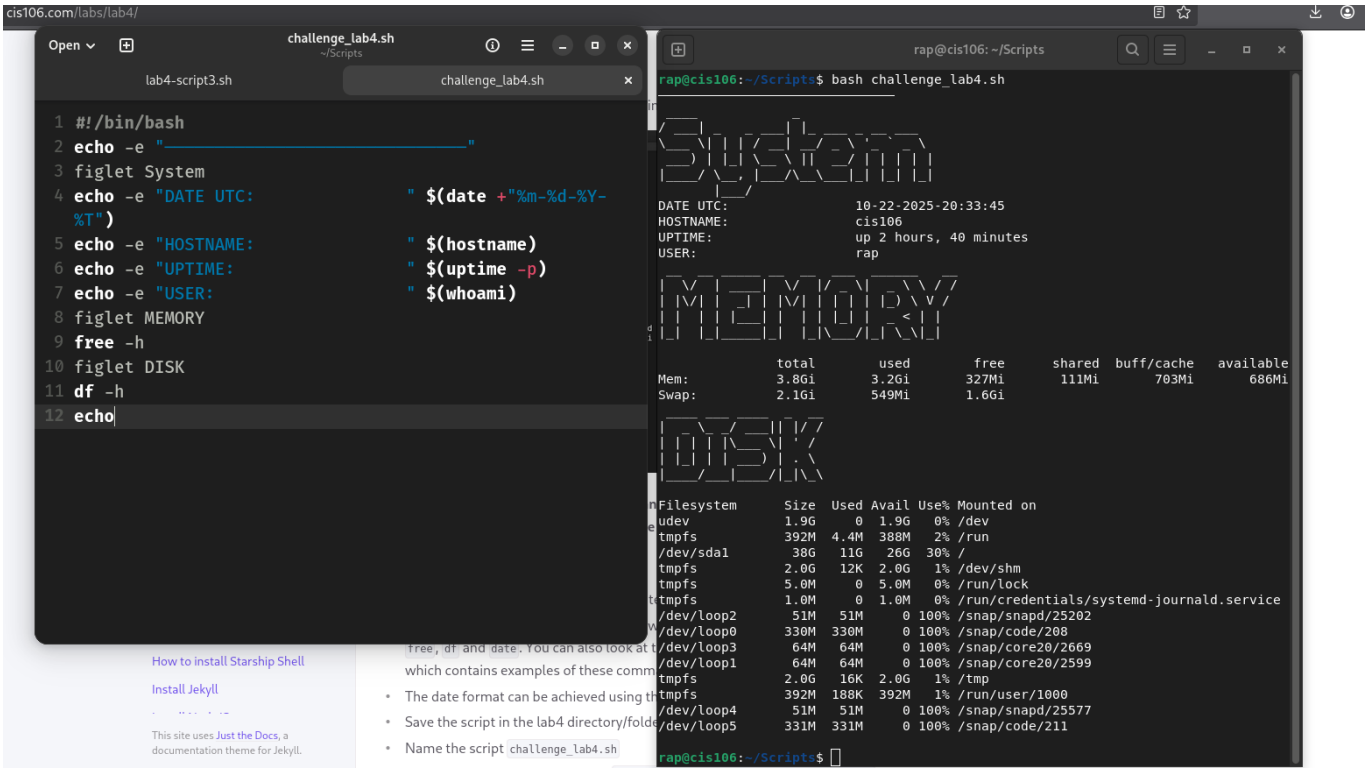

rap@cis106: ~/Scripts
rap@cis106:~/Scripts$ bash lab4-script2.sh
Hello World
Name: Joe
Age: 35
color: Blue
Game: Tetris
rap@cis106:~/Scripts$


rap@cis106: ~/Scripts
rap@cis106:~/Scripts$ bash lab4-script3.sh
Today's date is:
Wed Oct 22 06:10:11 PM EDT 2025
rap@cis106:~/Scripts$

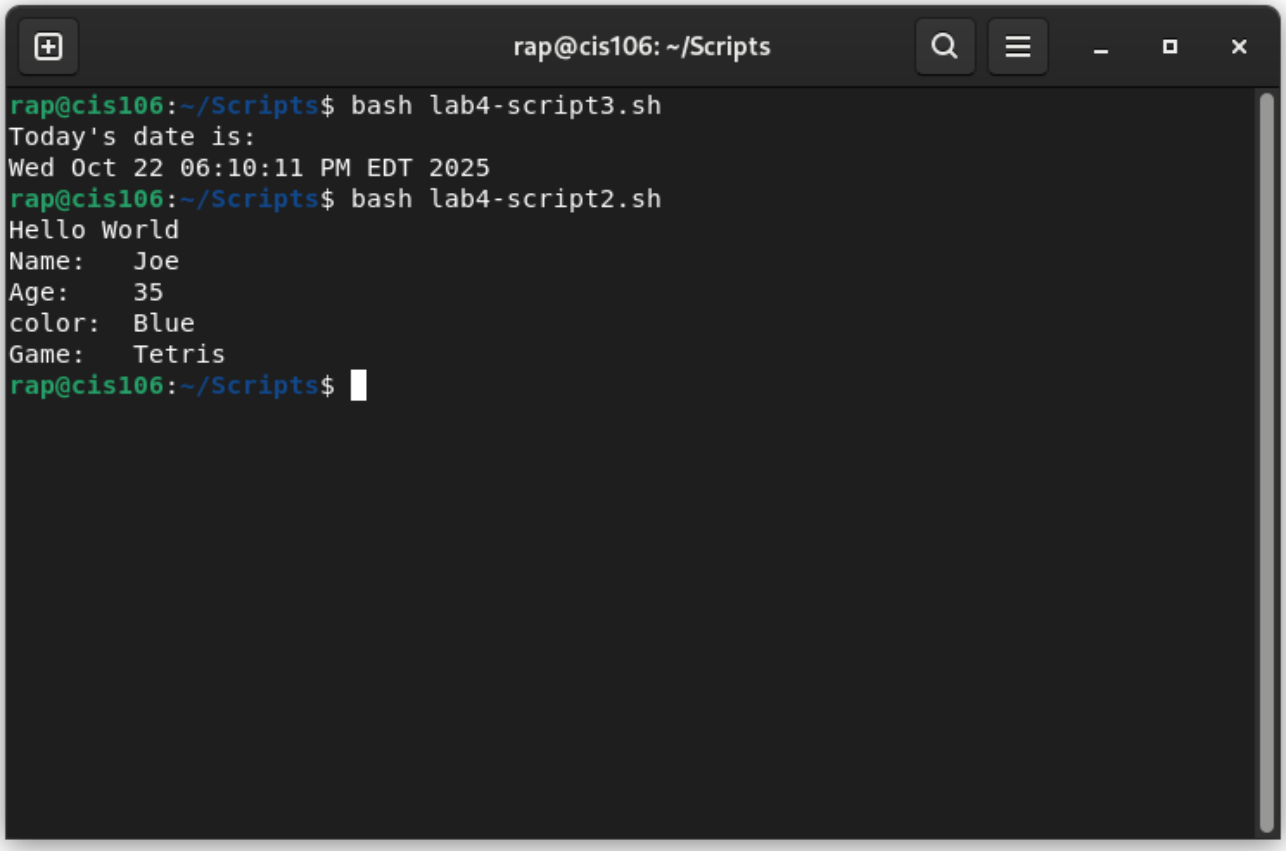

Open
lab4-script3.sh
~/Scripts
1 #!/bin/bash
2 echo "Today's date is: "
3 date
4 echo -n "The current user is: "
5 whoami
6 # echo -n "The current user is: "; whoami
7 echo "Memory Usage: "
8 free -h
rap@cis106: ~/Scripts
rap@cis106:~/Scripts$ date
Wed Oct 22 06:53:31 PM EDT 2025
rap@cis106:~/Scripts$ bash lab4-script3.sh
Today's date is:
Wed Oct 22 06:55:52 PM EDT 2025
rap@cis106:~/Scripts$ bash lab4-script3.sh
Today's date is:
Wed Oct 22 06:57:59 PM EDT 2025
rap@cis106:~/Scripts$ bash lab4-script3.sh
Today's date is:
Wed Oct 22 07:03:23 PM EDT 2025
The current user is: rap
Memory Usage:
total used free shared buff/cache available
Mem: 3.8Gi 2.7Gi 551Mi 122Mi 1.0Gi 1.2Gi
Swap: 2.1Gi 16Mi 2.1Gi
rap@cis106:~/Scripts$

Question 3


challenge_lab4.sh
~/Scripts
lab4-script3.sh
challenge_lab4.sh
challenge_lab4(5).sh
#!/bin/bash
echo -e "——————————————————————————"
figlet System
echo -e "DATE UTC: " $(date +"%m-%d-%Y-%T")
echo -e "HOSTNAME: " $(hostname)
echo -e "UPTIME: " $(uptime -p)
echo -e "USER: " $(whoami)
figlet MEMORY
free -h
figlet DISK
df -h
echo
rap@cis106: ~/Scripts
rap@cis106:~/Scripts$ bash ~/cis106/labs/lab4/challenge_lab4.sh
rap@cis106:~/Scripts$ bash challenge_lab4.sh
rap@cis106:~/Scripts$ bash challenge_lab4.sh
rap@cis106:~/Scripts$ bash challenge_lab4(5).sh
bash: syntax error near unexpected token `('
rap@cis106:~/Scripts$ bash challenge_lab4.sh
DATE UTC: 10-22-2025-20:30:35


cis106.com/labs/lab4/
challenge_lab4.sh
~/Scripts
lab4-script3.sh
challenge_lab4.sh
#!/bin/bash
echo -e "——————————————————————————"
figlet System
echo -e "DATE UTC: " $(date +"%m-%d-%Y-%T")
echo -e "HOSTNAME: " $(hostname)
echo -e "UPTIME: " $(uptime -p)
echo -e "USER: " $(whoami)
figlet MEMORY
free -h
figlet DISK
df -h
echo
rap@cis106: ~/Scripts
rap@cis106:~/Scripts$ bash challenge_lab4.sh
DATE UTC: 10-22-2025-20:33:45
HOSTNAME: cis106
UPTIME: up 2 hours, 40 minutes
USER: rap
total used free shared buff/cache available
Mem: 3.8Gi 3.2Gi 327Mi 111Mi 703Mi 686Mi
Swap: 2.1Gi 549Mi 1.6Gi
Filesystem Size Used Avail Use% Mounted on
udev 1.9G 0 1.9G 0% /dev
tmpfs 392M 4.4M 388M 2% /run
/dev/sda1 38G 11G 26G 30% /
tmpfs 2.0G 12K 2.0G 1% /dev/shm
tmpfs 5.0M 0 5.0M 0% /run/lock
tmpfs 1.0M 0 1.0M 0% /run/credentials/systemd-journald.service
/dev/loop2 51M 51M 0 100% /snap/snapd/25202
/dev/loop0 330M 330M 0 100% /snap/code/208
/dev/loop3 64M 64M 0 100% /snap/core20/2669
/dev/loop1 64M 64M 0 100% /snap/core20/2599
tmpfs 2.0G 16K 2.0G 1% /tmp
tmpfs 392M 188K 392M 1% /run/user/1000
/dev/loop4 51M 51M 0 100% /snap/snapd/25577
/dev/loop5 331M 331M 0 100% /snap/code/211
rap@cis106:~/Scripts$
How to install Starship Shell
Install Jekyll
This site uses Just the Docs, a documentation theme for Jekyll.
which contains examples of these comm
The date format can be achieved using th
Save the script in the lab4 directory/folde
Name the script challenge_lab4.sh

script


rap@cis106: ~/Scripts
rap@cis106:~/Scripts$ bash lab4-script3.sh
Today's date is:
Wed Oct 22 06:10:11 PM EDT 2025
rap@cis106:~/Scripts$ bash lab4-script2.sh
Hello World
Name: Joe
Age: 35
color: Blue
Game: Tetris
rap@cis106:~/Scripts$