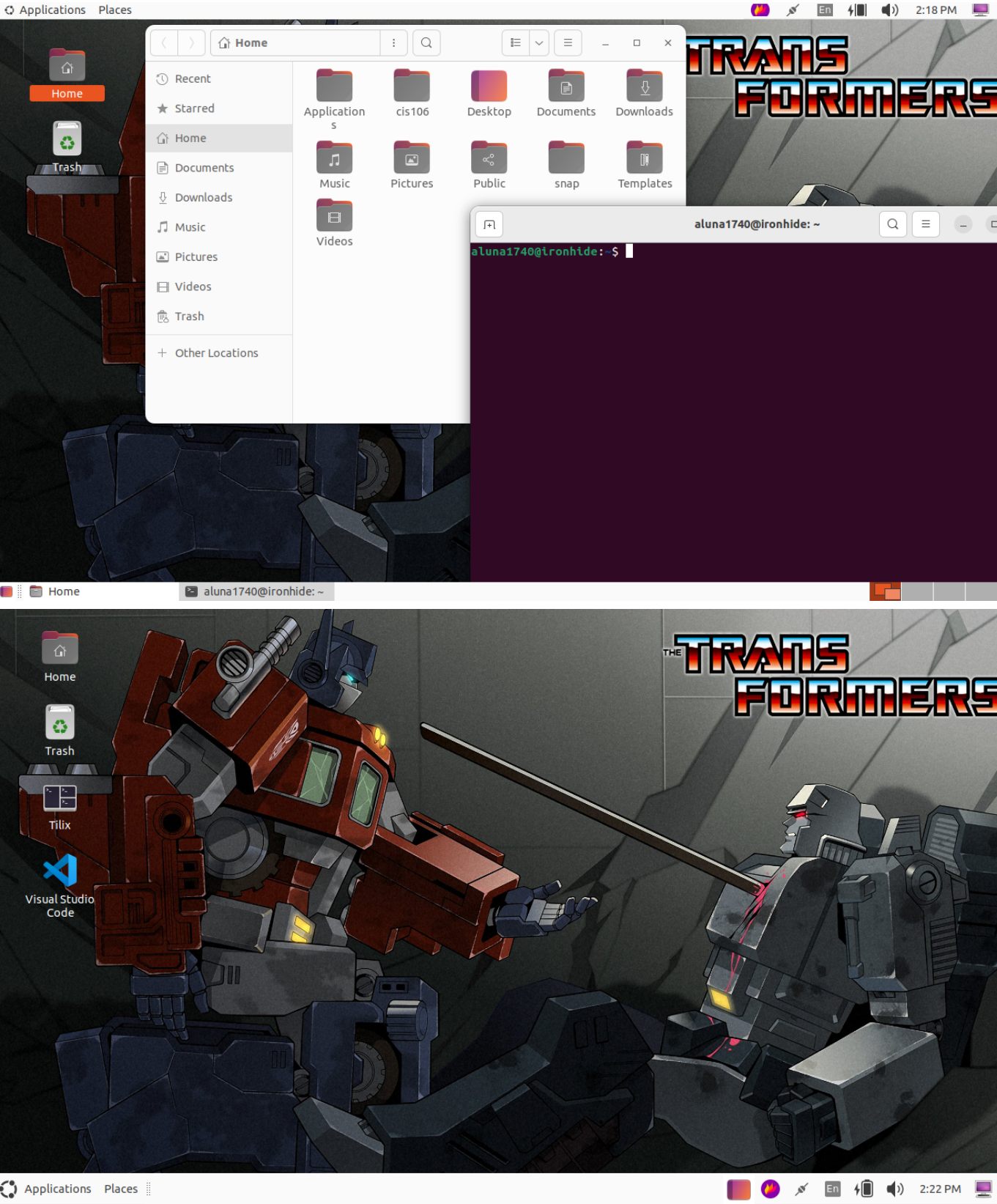
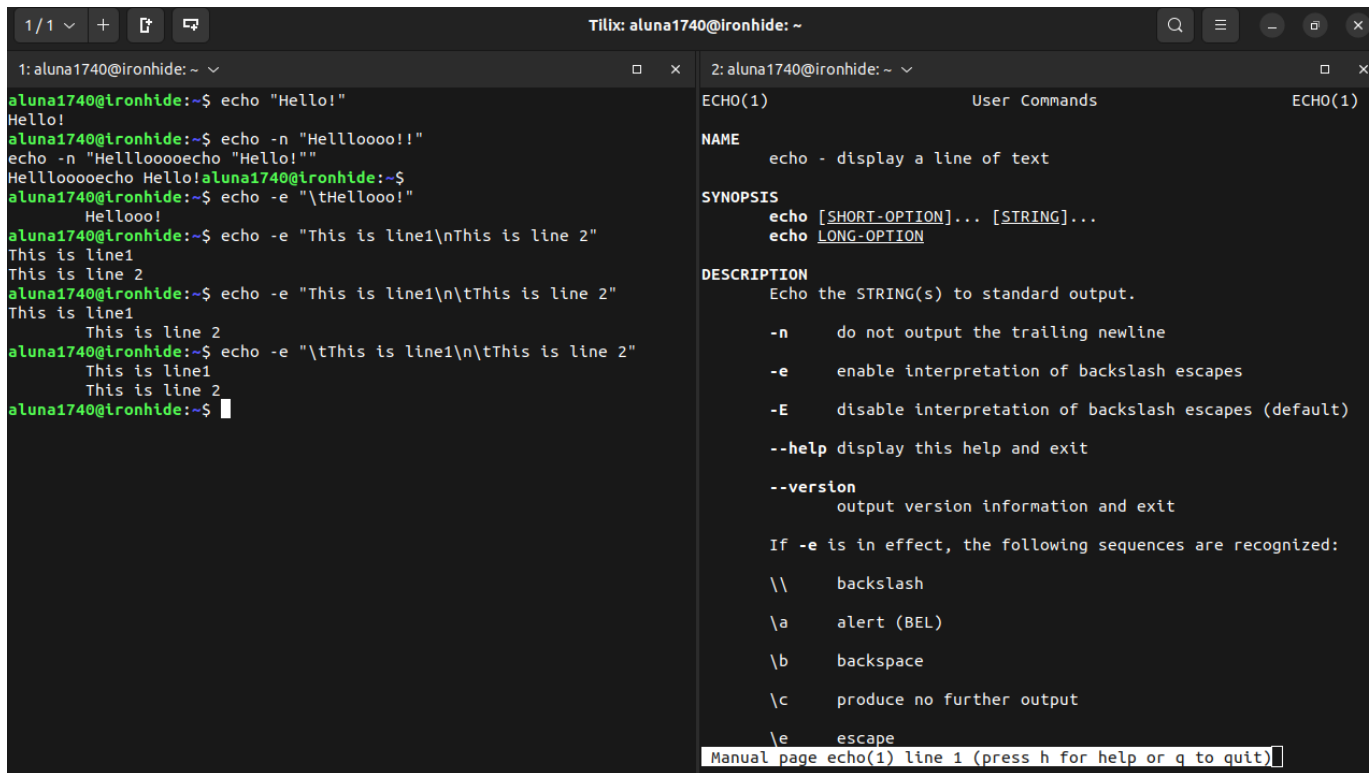


Lab 3 Submission

Question 1



Question 2

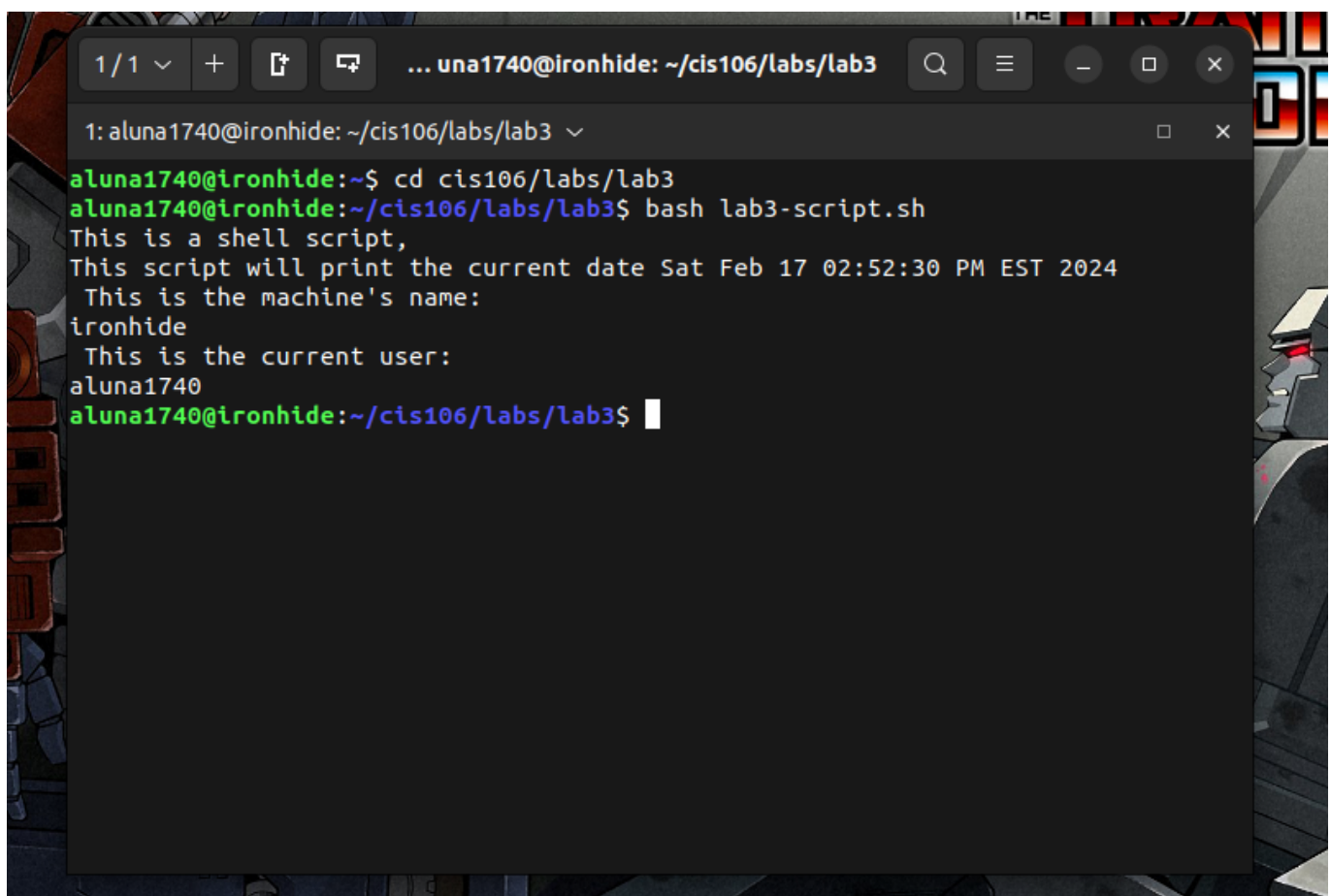


The screenshot shows a terminal window with two panes. The left pane shows the user 'aluna1740' at the 'ironhide' machine using the 'echo' command with various options: 'echo "Hello!"', 'echo -n "Helllooooo!!"', 'echo -n "Hellloooooecho "Hello!"', 'echo -e "\tHello!"', 'echo -e "This is line1\nThis is line 2"', 'echo -e "This is line1\n\tThis is line 2"', and 'echo -e "\tThis is line1\n\tThis is line 2"'. The right pane shows the help page for the 'echo' command, titled 'ECHO(1) User Commands'. It includes sections for NAME, SYNOPSIS, DESCRIPTION, and a list of options: -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), and --version (output version information and exit). It also lists recognized escape sequences: \ (backslash), \a (alert (BEL)), \b (backspace), \c (produce no further output), and \e (escape).

```
1: aluna1740@ironhide: ~  
aluna1740@ironhide:~$ echo "Hello!"  
Hello!  
aluna1740@ironhide:~$ echo -n "Helllooooo!!"  
echo -n "Hellloooooecho "Hello!"  
Hellloooooecho Hello!aluna1740@ironhide:~$  
aluna1740@ironhide:~$ echo -e "\tHello!"  
Hello!  
aluna1740@ironhide:~$ echo -e "This is line1\nThis is line 2"  
This is line1  
This is line 2  
aluna1740@ironhide:~$ echo -e "This is line1\n\tThis is line 2"  
This is line1  
This is line 2  
aluna1740@ironhide:~$ echo -e "\tThis is line1\n\tThis is line 2"  
This is line1  
This is line 2  
aluna1740@ironhide:~$
```

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
Manual page echo(1) line 1 (press h for help or q to quit)

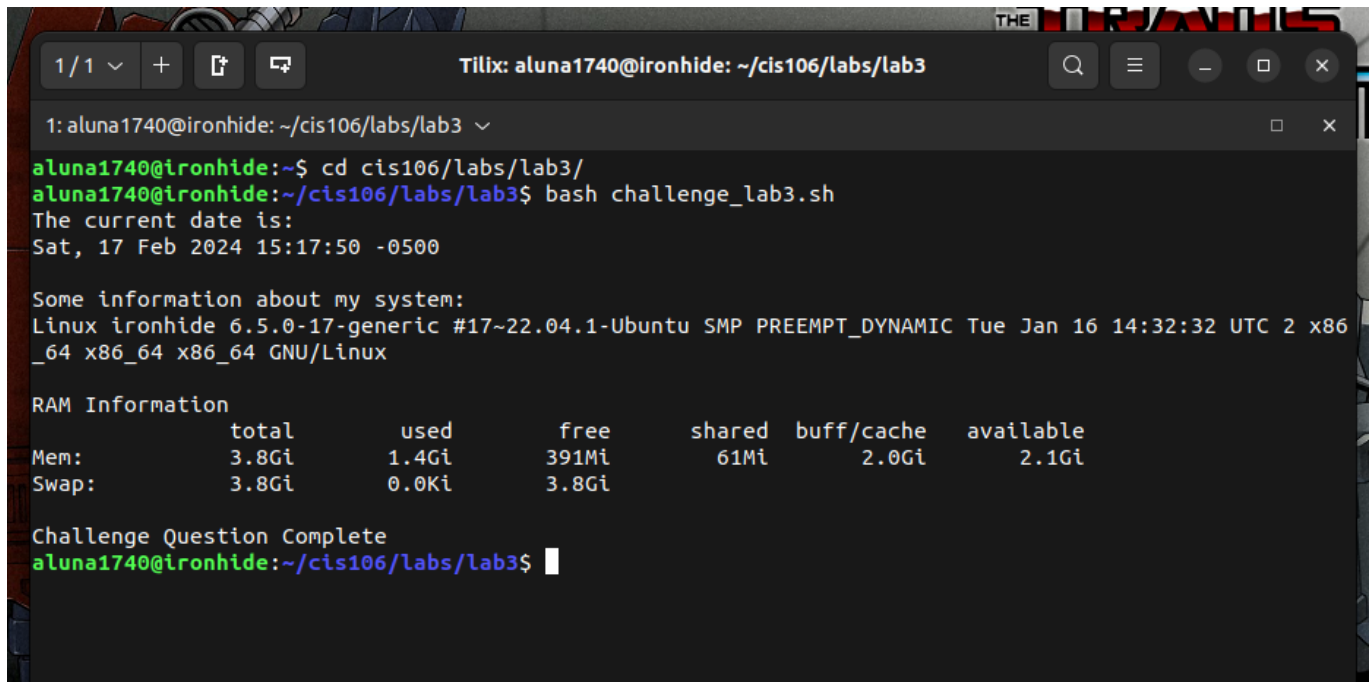
Question 3



The screenshot shows a terminal window with the user 'aluna1740' at the 'ironhide' machine. The user has navigated to the directory '/cis106/labs/lab3' and executed the script 'lab3-script.sh'. The script outputs the following text: 'This is a shell script,', 'This script will print the current date Sat Feb 17 02:52:30 PM EST 2024', 'This is the machine's name: ironhide', and 'This is the current user: aluna1740'.

```
1: aluna1740@ironhide: ~/cis106/labs/lab3  
aluna1740@ironhide:~$ cd cis106/labs/lab3  
aluna1740@ironhide:~/cis106/labs/lab3$ bash lab3-script.sh  
This is a shell script,  
This script will print the current date Sat Feb 17 02:52:30 PM EST 2024  
This is the machine's name:  
ironhide  
This is the current user:  
aluna1740  
aluna1740@ironhide:~/cis106/labs/lab3$
```

Challenge Question



The screenshot shows a terminal window titled "Tilix: aluna1740@ironhide: ~/cis106/labs/lab3". The user has navigated to the directory `~/cis106/labs/lab3/` and executed `bash challenge_lab3.sh`. The script outputs the current date and time, followed by system information including the kernel version, architecture, and RAM details. The challenge is then marked as complete.

```
1: aluna1740@ironhide: ~/cis106/labs/lab3
aluna1740@ironhide:~$ cd cis106/labs/lab3/
aluna1740@ironhide:~/cis106/labs/lab3$ bash challenge_lab3.sh
The current date is:
Sat, 17 Feb 2024 15:17:50 -0500

Some information about my system:
Linux ironhide 6.5.0-17-generic #17~22.04.1-Ubuntu SMP PREEMPT_DYNAMIC Tue Jan 16 14:32:32 UTC 2 x86_64 x86_64 x86_64 GNU/Linux

RAM Information
total      used      free      shared  buff/cache  available
Mem:      3.8Gi      1.4Gi      391Mi      61Mi      2.0Gi      2.1Gi
Swap:      3.8Gi      0.0Ki      3.8Gi

Challenge Question Complete
aluna1740@ironhide:~/cis106/labs/lab3$
```

Challenge Question Source code:

[lab3-Question4](#)

Script Source code:

[lab3](#)