

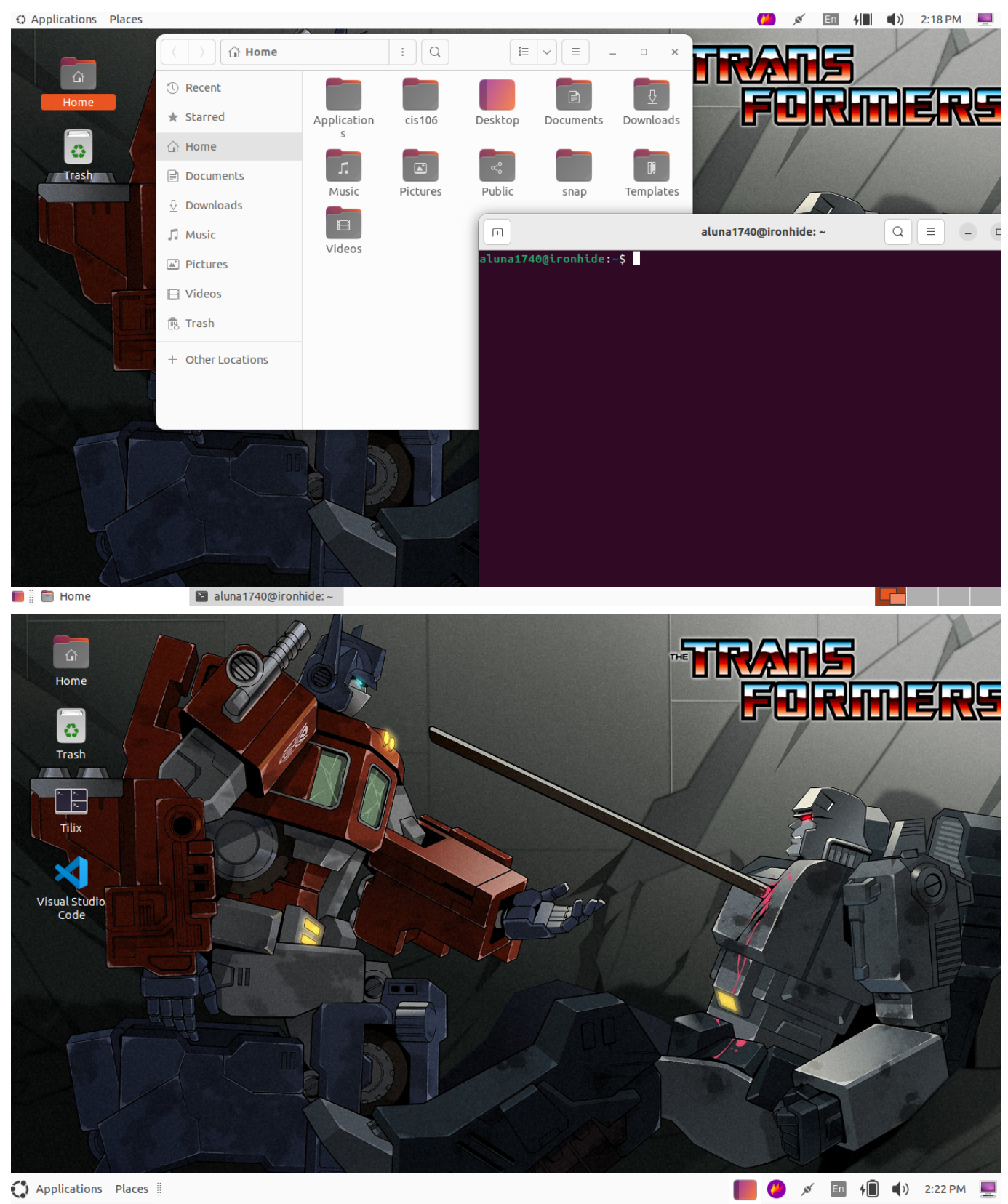
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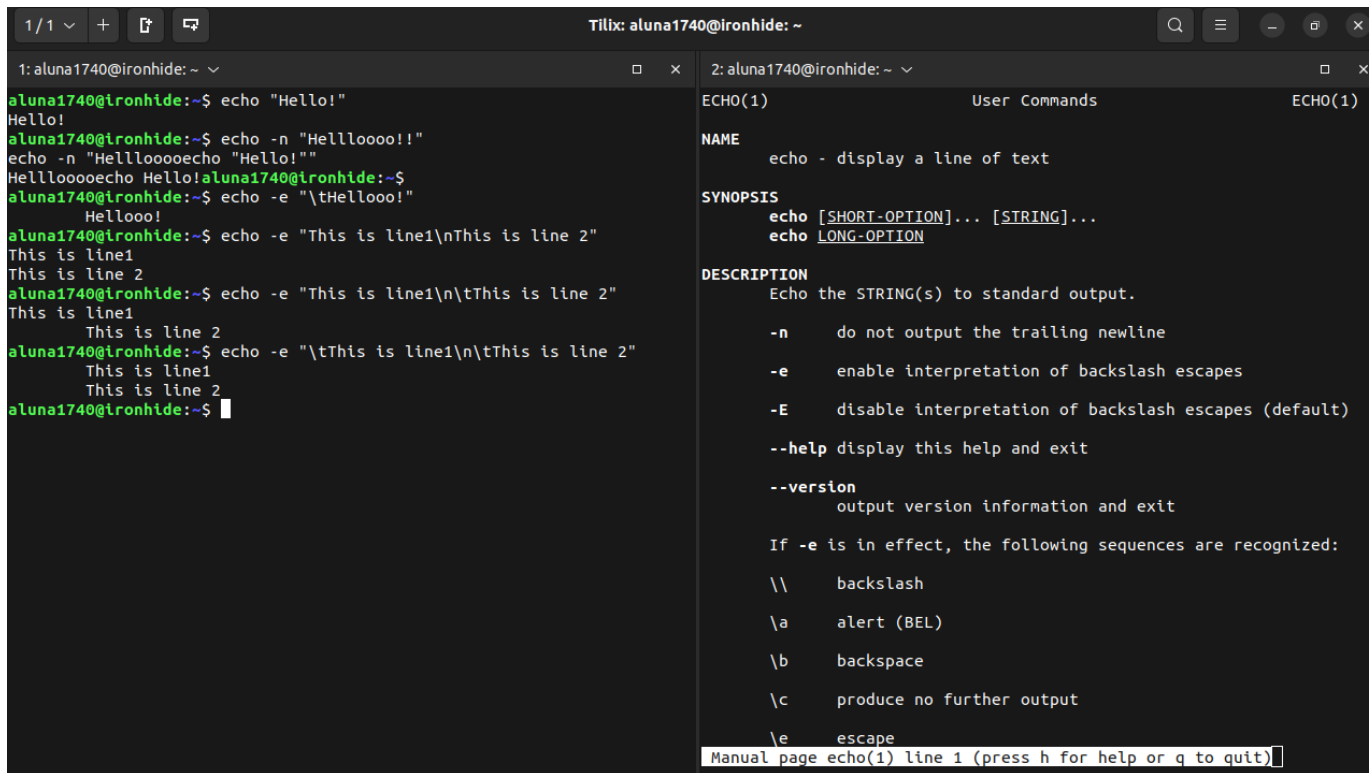
Assignment: Lab 3

Lab 3 Submission

Question 1



Question 2



The screenshot shows a terminal window with two panes. The left pane shows the user 'aluna1740@ironhide' testing various 'echo' command options: 'echo "Hello!"', 'echo -n "Helllooooo!!"', 'echo -n "Hellloooooecho "Hello!"', 'echo -e "\tHello!"', 'echo -e "This is line1\nThis is line 2"', and 'echo -e "\tThis is line1\n\tThis is line 2"'. The right pane displays the manual page for 'echo(1)', detailing its name, synopsis, description, and various options like -n, -e, -E, --help, and --version. It also lists escape sequences like backslash, alert (BEL), backspace, and 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:~$
```

2: aluna1740@ironhide: ~
ECHO(1) User Commands ECHO(1)

NAME
echo - display a line of text

SYNOPSIS
echo [SHORT-OPTION]... [STRING]...
echo LONG-OPTION

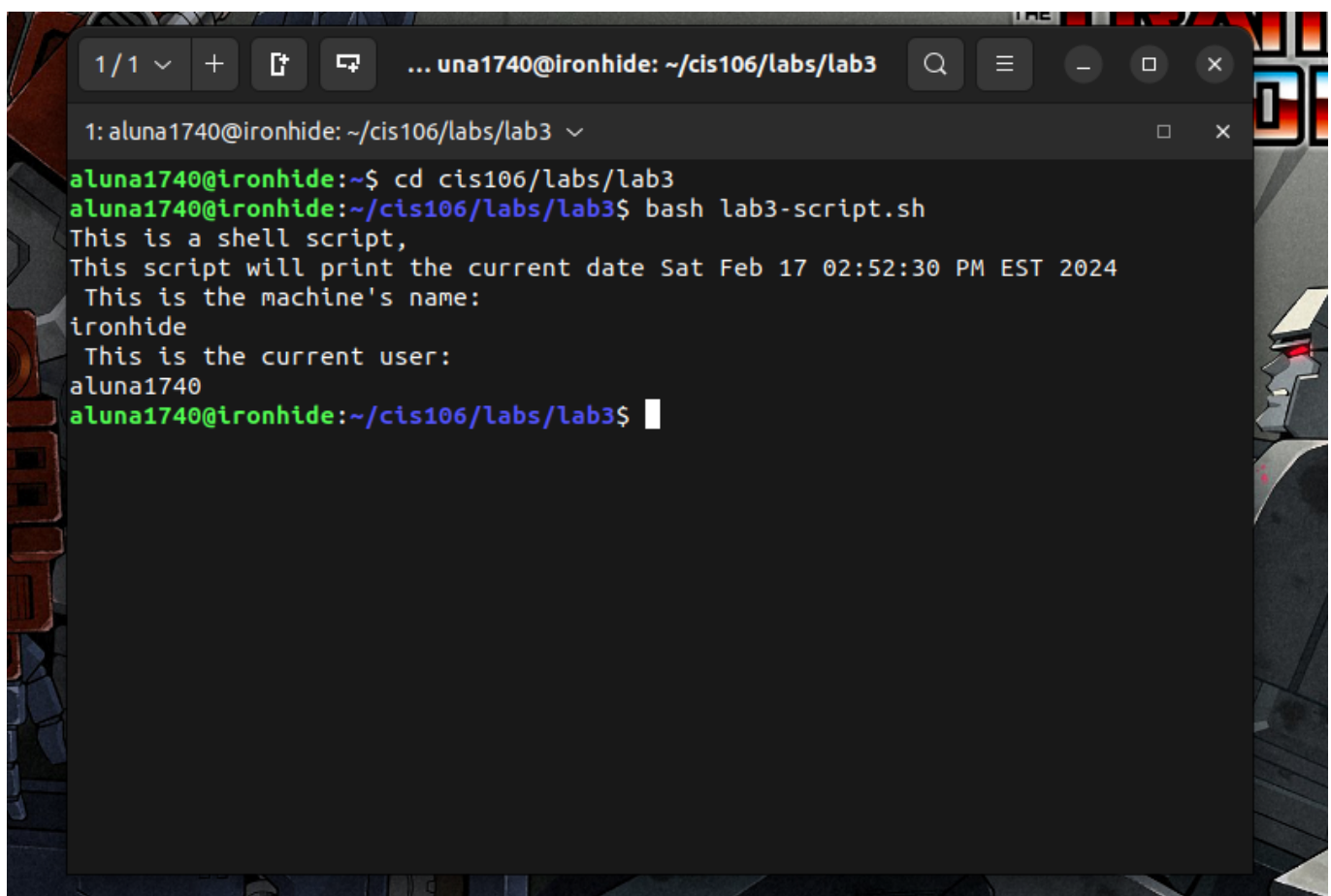
DESCRIPTION
Echo the STRING(s) to standard output.

-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)

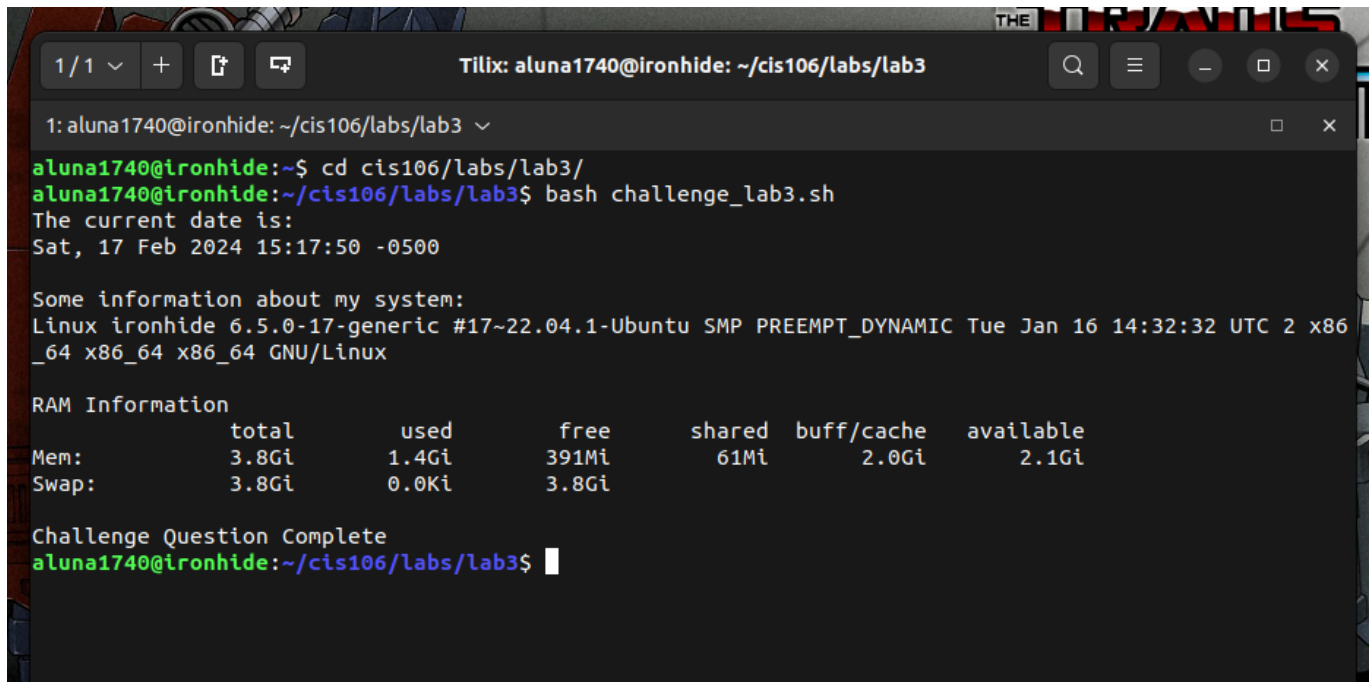
Question 3



The screenshot shows a terminal window where the user 'aluna1740@ironhide' navigates to the directory '/cis106/labs/lab3' and runs the script 'lab3-script.sh'. The script outputs the current date and time, the machine's name 'ironhide', and 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 and architecture. It then displays a table of RAM information. Finally, it announces that the challenge question is 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](#)