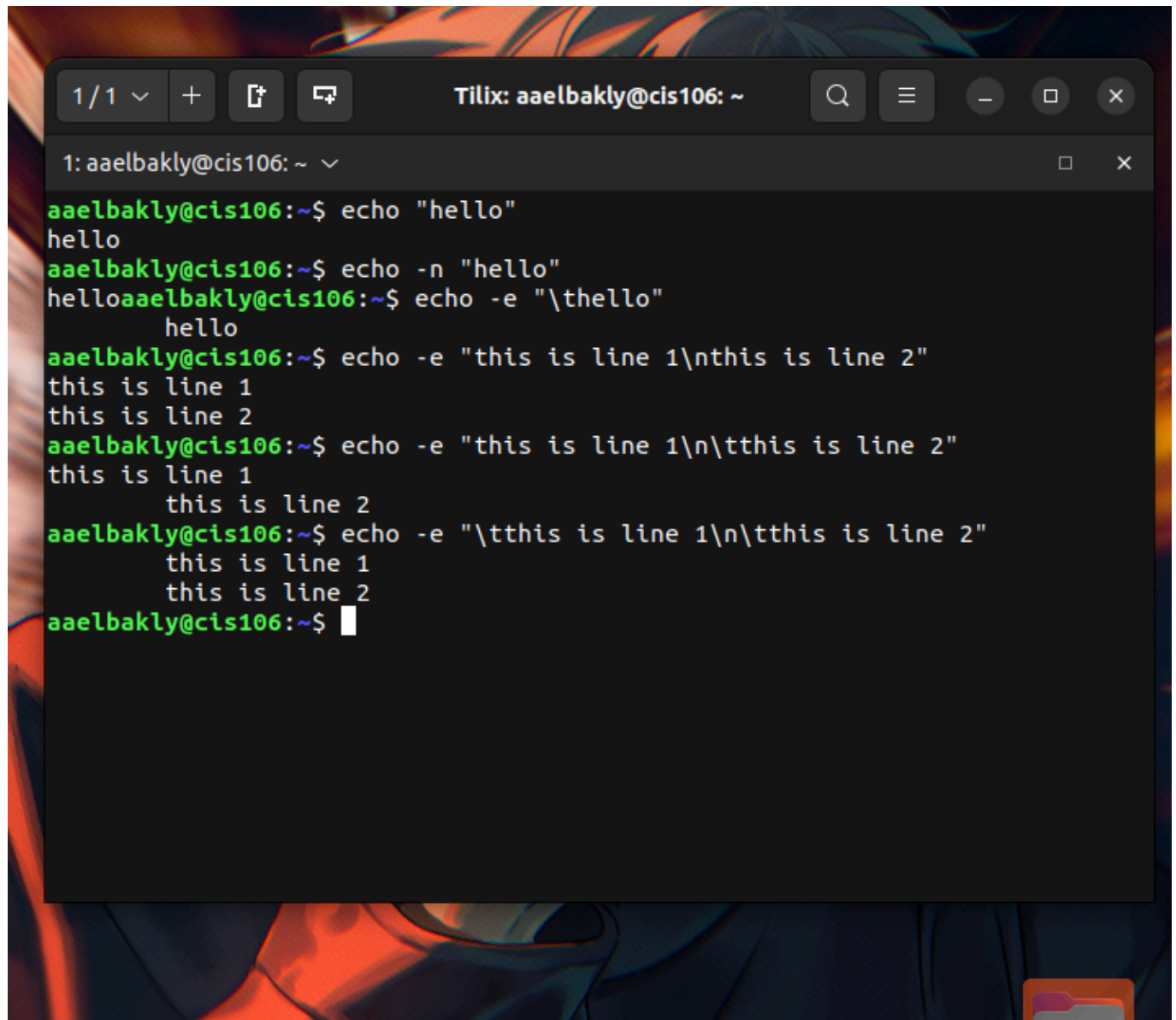


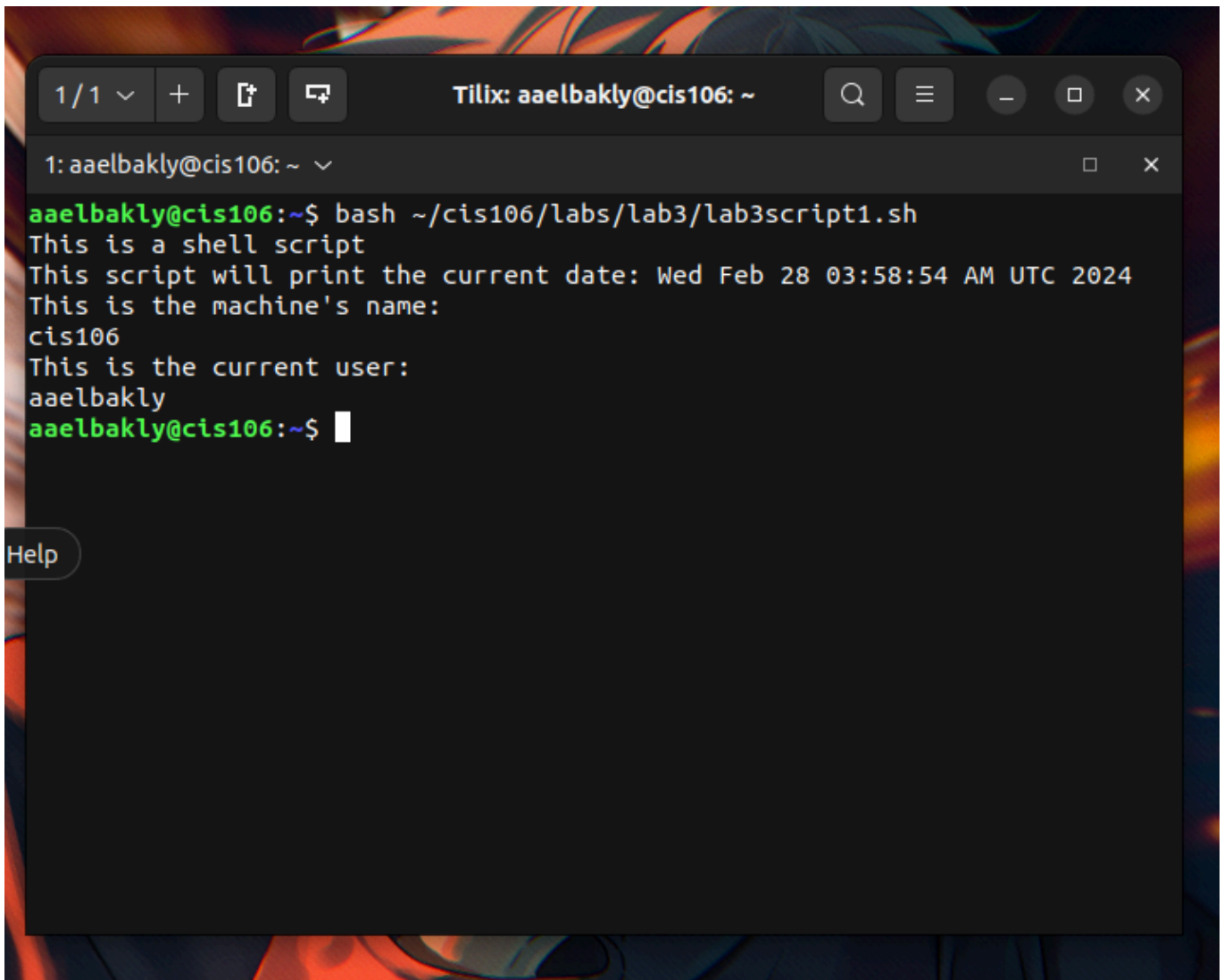
Lab 3 Submission

Question 2

A screenshot of a terminal window titled "Tilix: aaelbakly@cis106: ~". The terminal shows a series of echo commands and their outputs. The first command is "echo 'hello'", which outputs "hello". The second is "echo -n 'hello'", which outputs "hello" without a newline. The third is "echo -e '\\thello'", which outputs "hello" with a tab character. The fourth is "echo -e 'this is line 1\\nthis is line 2'", which outputs two lines. The fifth is "echo -e 'this is line 1\\n\\tthis is line 2'", which outputs two lines with a tab on the second line. The sixth is "echo -e '\\tthis is line 1\\n\\tthis is line 2'", which outputs two lines with tabs at the start of each line. The terminal window has a dark background and a light-colored text. The window title bar shows "Tilix: aaelbakly@cis106: ~" and standard window controls. The terminal prompt is "1: aaelbakly@cis106: ~".

```
1: aaelbakly@cis106: ~  
aaelbakly@cis106:~$ echo "hello"  
hello  
aaelbakly@cis106:~$ echo -n "hello"  
hello  
aaelbakly@cis106:~$ echo -e "\\thello"  
hello  
aaelbakly@cis106:~$ echo -e "this is line 1\\nthis is line 2"  
this is line 1  
this is line 2  
aaelbakly@cis106:~$ echo -e "this is line 1\\n\\tthis is line 2"  
this is line 1  
    this is line 2  
aaelbakly@cis106:~$ echo -e "\\tthis is line 1\\n\\tthis is line 2"  
    this is line 1  
    this is line 2  
aaelbakly@cis106:~$
```

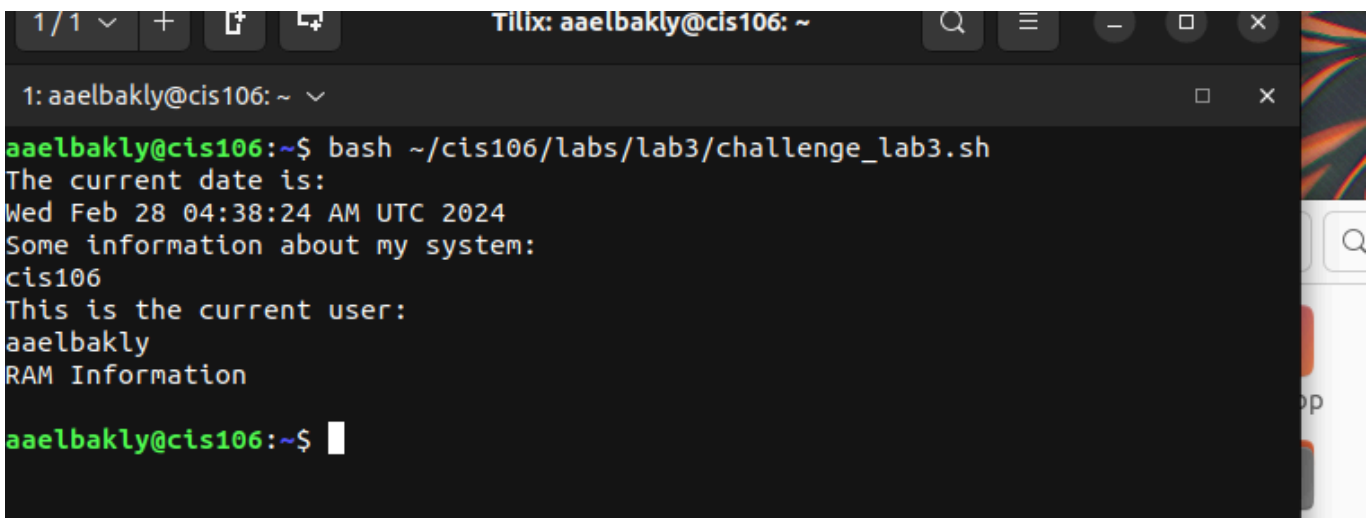
Question 3



A terminal window titled "Tilix: aaelbakly@cis106: ~" with standard window controls. The terminal shows a user running a script. The output of the script is as follows:

```
1: aaelbakly@cis106: ~  
aaelbakly@cis106:~$ bash ~/cis106/labs/lab3/lab3script1.sh  
This is a shell script  
This script will print the current date: Wed Feb 28 03:58:54 AM UTC 2024  
This is the machine's name:  
cis106  
This is the current user:  
aaelbakly  
aaelbakly@cis106:~$
```

Challenge Question



A terminal window titled "Tilix: aaelbakly@cis106: ~" with standard window controls. The terminal shows a user running a script. The output of the script is as follows:

```
1: aaelbakly@cis106: ~  
aaelbakly@cis106:~$ bash ~/cis106/labs/lab3/challenge_lab3.sh  
The current date is:  
Wed Feb 28 04:38:24 AM UTC 2024  
Some information about my system:  
cis106  
This is the current user:  
aaelbakly  
RAM Information  
aaelbakly@cis106:~$
```

Script Source code:

[lab3](#)