

## Question 2

```
1/1 ~ + [ ] [ ] Tilix: sarah@cis106: ~
1: sarah@cis106: ~ x 2: sarah@cis106: ~
sarah@cis106:~$ echo "hello world"
ello world
sarah@cis106:~$ echo -n "hello world"
ello worldsarah@cis106:~$ echo c '\th'
\thello\nworld
sarah@cis106:~$ ^C
sarah@cis106:~$ echo -e "\thello world"
hello world
sarah@cis106:~$ echo -e "\thello\nworld"
hello
orld
sarah@cis106:~$ echo -e "line1 \n line2"
line1
line2
sarah@cis106:~$ echo -e "line1\n\tline2"
line1
line2
sarah@cis106:~$ echo -e "/tline1\n\tline2"^C
sarah@cis106:~$ echo -e "/tline1\n\tline2"
tline1
line2
sarah@cis106:~$ echo -e "\nline1\n\tline2"
ine1
line2
sarah@cis106:~$ echo -e "\tline1\n\tline2"
line1
line2
sarah@cis106:~$
```

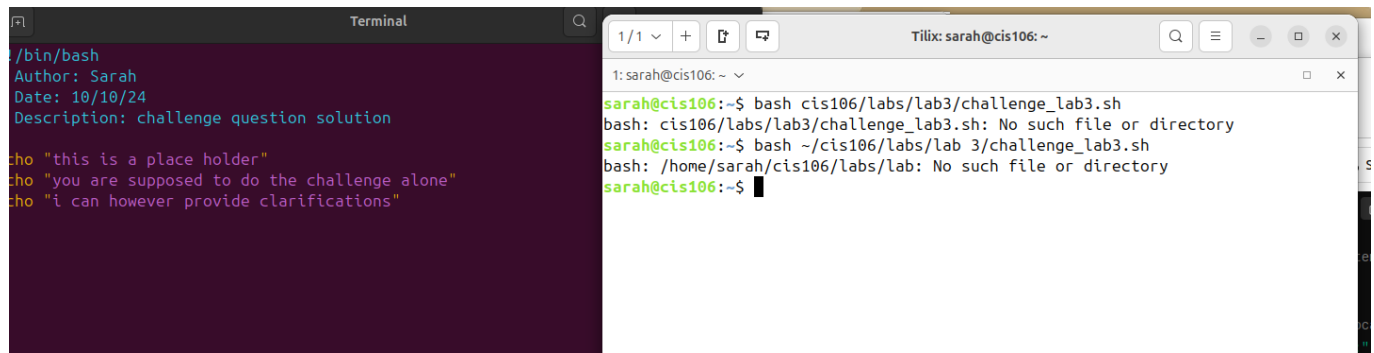
### Question 3

The image displays two terminal windows side-by-side. The left window shows the content of a script file named `lab3-script1.sh`. The script includes a shebang, author information, a date, a description, and several echo and date commands. The right window shows the execution of the script from the directory `~/cis106/labs/lab3`. The prompt is `sarah@cis106:~`. The user runs `bash ~/cis106/labs/lab3/lab3-script1.sh`, which results in several error messages because the script is not in the current directory. The user then runs `bash ~/cis106/labs/lab3/lab3-script1.sh` again, which also results in error messages. Finally, the user runs `bash ~/cis106/labs/lab3/lab3-script1.sh` a third time, which also results in error messages. The prompt returns to `sarah@cis106:~`.

```
1 #!/bin/bash
2 # Author: Sarah
3 # Date: 10/10/24
4 # Description: This is a basic script that
5 # uses environment variables and the date command
6
7 echo "This is a shell script,"
8 echo -n "This script will print the current date"
9 date
10 echo "This is the machine's name:"
11 uname -n
12 echo "This is the current user:"
13 echo $USER
14 echo "This is the current date"
15 date +"%A, %B %d %R %Z"
```

```
1: sarah@cis106: ~
sarah@cis106:~$ bash ~/cis106/labs/lab3/lab3-script1.sh
bash: /home/sarah/cis106/labs/lab3: No such file or directory
sarah@cis106:~$ bash ~/cis106/labs/lab3/lab3-script1.sh
bash: /home/sarah/cis106/labs/lab3/lab3-script1.sh: No such file or directory
sarah@cis106:~$ bash ~/cis106/labs/lab3/lab3-script1.sh
bash: /home/sarah/cis106/labs/lab3: No such file or directory
sarah@cis106:~$ bash ~/cis106/labs/lab3/lab3-script1.sh
bash: /home/sarah/cis106/labs/lab3: No such file or directory
sarah@cis106:~$ bash ~/cis106/labs/lab3/lab3-script1.sh
bash: /home/sarah/cis106/labs/lab3: No such file or directory
sarah@cis106:~$
```

### Challenge Question



The image shows two terminal windows. The left window, titled 'Terminal', displays the script's metadata and its output. The right window, titled 'Tilix: sarah@cis106: ~', shows the user attempting to run the script from different locations, resulting in 'No such file or directory' errors.

```
/bin/bash
Author: Sarah
Date: 10/10/24
Description: challenge question solution

cho "this is a place holder"
cho "you are supposed to do the challenge alone"
cho "i can however provide clarifications"
```

```
1/1 v + [ ] [ ]
Tilix: sarah@cis106: ~
1: sarah@cis106: ~ v
sarah@cis106:~$ bash cis106/labs/lab3/challenge_lab3.sh
bash: cis106/labs/lab3/challenge_lab3.sh: No such file or directory
sarah@cis106:~$ bash ~/cis106/labs/lab 3/challenge_lab3.sh
bash: /home/sarah/cis106/labs/lab: No such file or directory
sarah@cis106:~$
```

Script Source code:

[lab3](#)