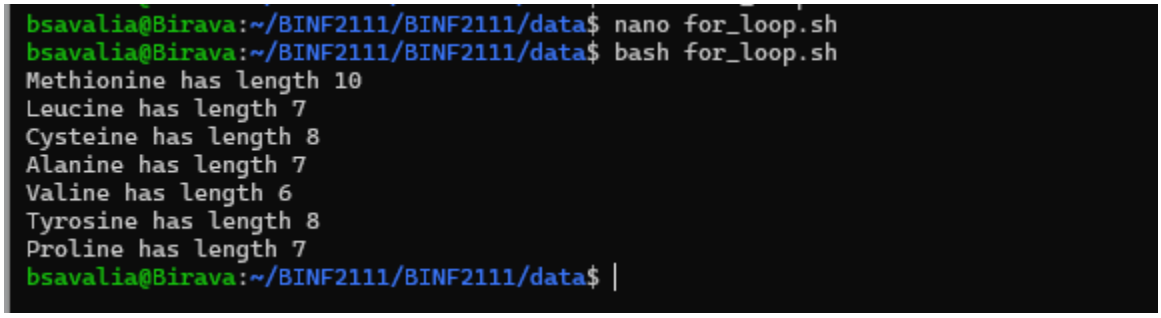
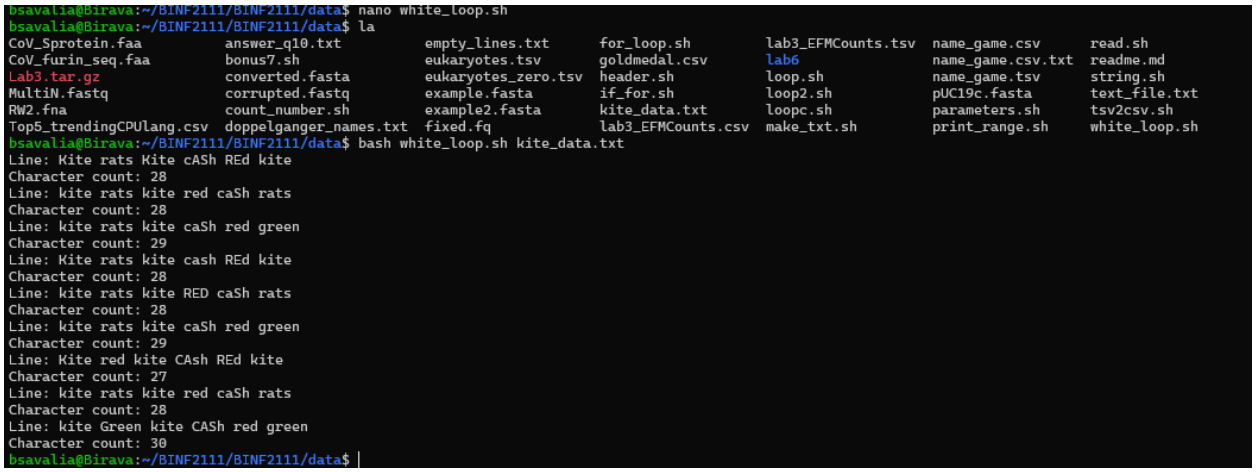
1. Write bash script that contains an array with these amino acids:

Methionine
Leucine
Cysteine
Alanine
Valine
Tyrosine
Proline
Use a for loop to print each item and its length (1 pt).



2. Write a bash script that uses a while loop to read through a given file. Print each line in the file and the character count of that line (1 pt).



3. Write a bash script for the following pseudo code (1 pt):

Counter variable equal to 0
Quote variable equal to "This script will run again"

Until counter is not less than 10
    Print quote

    Set quote equal to quote + " and again"
    Increment counter (add 1)
End until

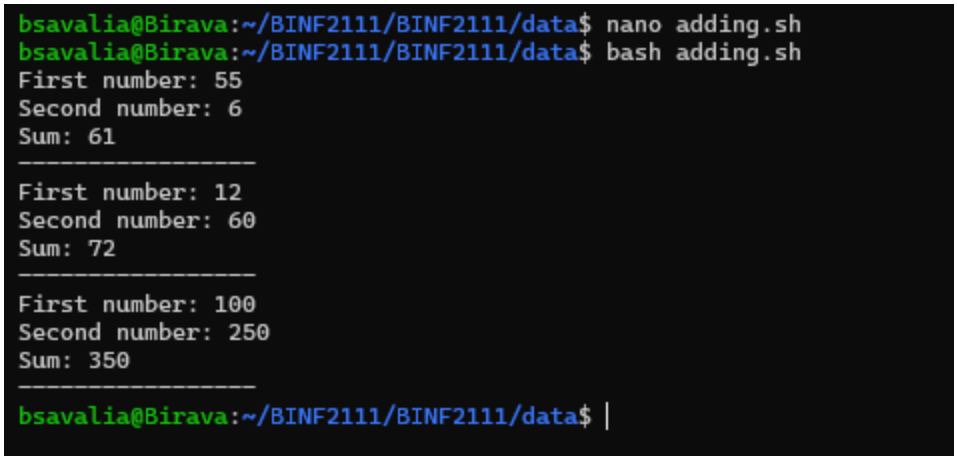
Print "Until it is done"

```
bsavalia@Birava:~/BINF2111/BINF2111/data$ bash until_loop.sh
This script will run again
This script will run again and again
This script will run again and again and again
This script will run again and again and again and again
This script will run again and again and again and again and again
This script will run again and again and again and again and again and again
This script will run again and again and again and again and again and again and again
This script will run again and again and again and again and again and again and again and again
This script will run again and again and again and again and again and again and again and again and again
This script will run again and again and again and again and again and again and again and again and again and again
Until it is done
bsavalia@Birava:~/BINF2111/BINF2111/data$ moer until_loop.sh
Command 'moer' not found, did you mean:
  command 'moar' from deb moarvm (2022.12+dfsg-1)
  command 'more' from deb util-linux (2.39.3-9ubuntu6.3)
Try: sudo apt install <deb name>
bsavalia@Birava:~/BINF2111/BINF2111/data$ more until_loop.sh
#!/bin/bash

counter=0
quote="This script will run again"

until [ $counter -ge 10 ]
do
    echo "$quote"
    quote="$quote and again"
    ((counter++))
done

echo "Until it is done"
bsavalia@Birava:~/BINF2111/BINF2111/data$
```

4. Write a bash script that contains a function that prints the following: your name, your username, the date/time, and your current directory (1 pt). Make sure you call the function!

```
bsavalia@Birava:~/BINF2111/BINF2111/data$ touch function.sh
bsavalia@Birava:~/BINF2111/BINF2111/data$ nano function.sh
bsavalia@Birava:~/BINF2111/BINF2111/data$ bash function.sh
Name: Birava Savalia
Username: bsavalia
Date/Time: Thu Sep 25 15:06:26 EDT 2025
Current Directory: /home/bsavalia/BINF2111/BINF2111/data
bsavalia@Birava:~/BINF2111/BINF2111/data$
```

5. Write a bash script that contains a function that will add any two numbers together. Within the function, print both numbers and the sum. Return 0 to signify that the function was successfully executed. Call the function three separate times, using different numbers each time (1 pt).



6. Make a public GitHub repository called BINF-2111 (or BINF2111, it's up to you). Make the following directories in your repository (2 pts):

Labs
Notes
Lectures
Resources
Practice Scripts
There should be a readme file and at least 2 files in each directory (1 pt). Additionally, the repo's readme should contain your name, the semester we are in (Fall 2025), your major, and your year (freshman, sophomore, junior, senior, fifth year) (2 pts). (5 pts total)

https://github.com/biravasavalia/BINF_2111.git