

Fill in with a list of commands

1. Write an array in bash that contains these fruits (Apple, Banana, Mango, Pawpaw, Orange, Grapes, Watermelon).

- Command to find the longest string with length
- Command to find the shortest string with length
- Command to delete Pawpaw
- Command to have a range from Mango to Watermelon

2. Write a bash script that prints five string variables (Banana, Mango, Pawpaw, Orange, Grapes, Watermelon) and the length of each string.

3. Write a bash script to count the number of ATG (starts) and TAA, TAG, TGA (stops) from the example2.fasta file.

Remember that ATG encodes for methionine so the only count the from the beginning of the sequence or the end for the stops.

4. Write a bash script that tells me my username, current directory, the location of my root directory, and the date/time

5. Compress or Uncompress a file?

`gunzip file.gz`

Compress or Uncompress

`tar -zxvf file.tar.gz`

Compress or Uncompress

`zip file.zip file.txt file1.txt`

Compress or Uncompress

`tar -zcvf file.tar.gz file.txt file1.txt`

Compress or Uncompress

6. Command that tells me my username and current working directory?

Commands:

7. In the doppelganger_names.txt count how many times the name 'abdul' is left to the name 'chi' using grep, awk or printf?

Command:

Count:

8. Write a bash script that converts this into a tsv file?

With this file:

Rat,steven,bear,Xi

Olf,thor,flower,Ton

Lazy,aaron,larry,jose

old,thor,flower,Ton

9. Which provides the best variable name?

1myvar

my-var

my.var

my:var

myvar

MYVAR

List the best here:

10. Which organism has modified bases in its DNA? (beyond A, T, C, G)

BONUS (3pts):

Write a BASH code to iterate through the Fruit array?

Apple, Banana, Mango, Pawpaw, Orange, Grapes, Watermelon

EXTRA BONUS (5 pts):

Convert all of example2.fasta into it's amino acids using any command(s) you want?

- Script here