Ryan Rosick 2/11/21

Lab 2

Task 1:

1. Value of PS1 is in file Task1.txt file
   ☆The file that it was set is in .bashrc

2. EDITOR - no value
   HOME - /home/ryan
   HOSTNAME - ryan-VirtualBox
   LD_LIBRARY_PATH - no value
   LESS - no value
   MAIL - no value
   MANPATH - no value
   MORE - no value

PAGER - no value

PATH - /home/ryan/anaconda3/condabin:
/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:
/sbin:/bin:/usr/games:/usr/local/games:/snap/bin

PWD - /home/ryan

SHELL - /bin/bash

TERM - xterm-256color

USER - ryan

Task 2:

1. savedPS1 = $PS1
   savedPS2 = $PS2
   also: echo $PS1 > saved.txt

2. PS1="[\033[350 \W]:"

3. I had avariable previously used to store my original config:
   PS1 = savedPS1

Task 3:

1. Nothing to write here ☆

Task 4:

1. ls -l noexist 2> bar
2. ls -l noexist 2> /dev/null
3. echo -e "3\n5\n2\n1" > foo
4. cat foo > bar
5. cat foo | sort
   Yes, the numbers were sorted numerically in ascending order
6. cat foo | sort > bar

Task 5:

1. I completed this task by writing a short bash script. I check to see if the file exists, if not, then I create and use a for loop and the seq command to echo and append using the >> operator to numbs.

If the file does exist, just append 1-100 using the loop to the current file.

2. 100 100 292 numbs

wc displays the # of newlines (sentences), # of words, the byte count of the file and the filename.

3.

cat numbs | head -38 | tail -25 > somenumbs

4. 14 14 42 somenumbs

This is displaying the 14 newlines/sentences, 14 words (the 14 numbers 25-38), the bytecode size of the file, and the filename.

Task 6: All in folder Task6

a. In task6a.sh

b. In task6b.sh

c. In task6c.sh

Task 7:

☆ In task7.sh

Task 8:

☆ In task8.sh

Task 9:

☆ In task9.sh