**Homework Week #5**

(20 points total) Using what you’ve learned so far in the course, specifically during week 5, answer the following questions.

Question 1. (3 points) List 3 Linux/UNIX text editors.

Nano, Emacs, and Vim are three text editors.

Question 2 & 3. (4 points) Answer the following questions, given that your HOME directory is

/home/joe/ and then you’ve executed the following commands:

$ docs=/users/joe/documents

$ let=$docs/letters $ prop=$docs/proposals

What is the output/result of the following commands? Q2: ls $let/..

This command lists the files that are in the letters folder.

Q3: cat $prop/sys.A >> $let/no.JSK

This will concatenate the file in file system A and append the output to no.JSK in the letters directory.

Question 4. (1 point) To display the commands in a script as the script executes, what should be placed near the beginning of the script?

1. **#! /bin/bash**
2. set -x
3. **NAME=value**
4. **chmod +x**
5. **bash**

Question 5. (3 points) Choose all of the following that describe a shell script:

1. **can be run as a command.**
2. **a text editor like vim.**
3. compiled code
4. **used to automate tasks.**
5. a group of commands, functions, and variables, etc. that can be used from a shell.

Question 6. (1 point) What must be done prior to running a script (e.g. MyNewScript) as if it were to be executed as a program?

You would need to run the chmod command so that the file is executable.

Question 7. (3 points) What are the differences between the following vim commands?

1. **a** and **A**

a is the add command and A is add at the end command.

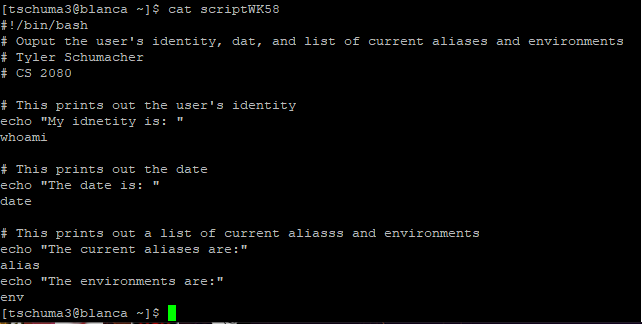
1. **o** and **O**

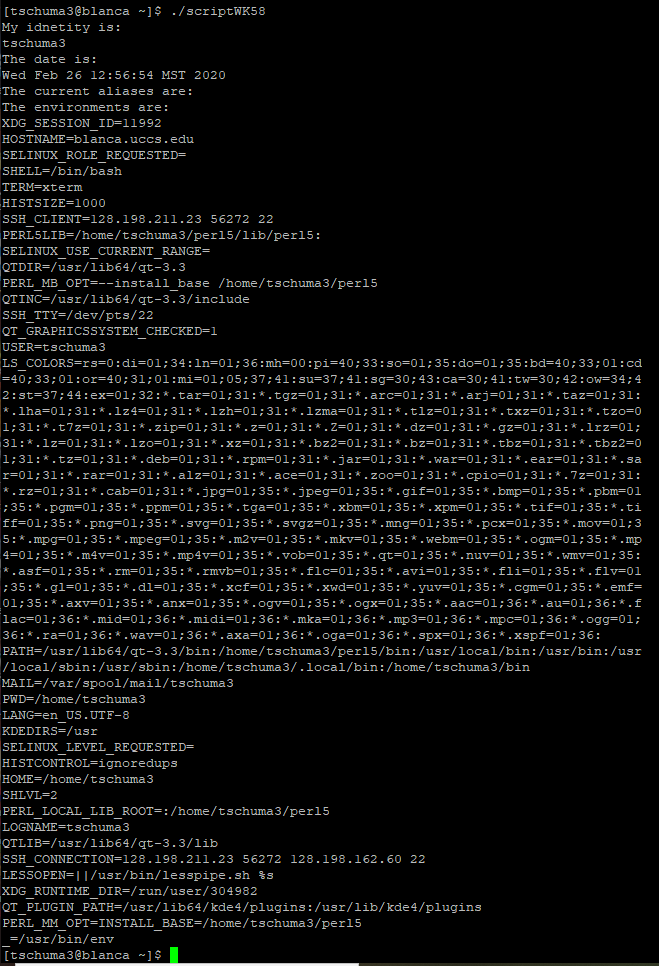
o is open below and O is open above.

1. **i** and **I**

i is the insert command and I is the insert at the beginning command.

Question 8. (5 points) Write a shell script to output the user’s identity, the current date/timestamp, and a list of current aliases and environment variables. **[Show your script and the results of running it. Remember to comment your work]**

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