

A SIMPLE WAY TO LEARN AS A DEVOPS ENGINEER BY READING (THREE)

This document is share with you by s5willy.

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June and March

June is working in Linux on his computer. March is curious and he wants to know what is the prefer name of June. Tell June the Linux command he will use to find his prefer name on Linux. Linux command: _____. March has something to check in his Linux account and would like to switch from June account to his account. Tell his which Linux command is suitable to do it. Write the appropriate Linux command as you will type it here: _____. What March will mandatory type after the Linux command to switch in his account? Your answer: _____. June and March are curious, and they want to display the name of all the users that are currently connected. Which two Linux command they may use? Write your answer here: _____ and _____.

Aubin and Sandra

Aubin has offered the following letter to Sandra to share with her how much he likes his DevOps engineer training with MyTech Solution Training Center – MTSTC.

I love my training as DevOps Engineer with MTSTC.

As a DevOps Engineer, I will work remotely.

The salary is good.

The only challenge is that my knowledge's need to be updated permanently.

At the end of the day, I will be fine.

Let be positive and productive.

- 1- Help Sandra to create a directory named Aubin, a subdirectory named Sandra and lastly, a file name aubin1.txt
- 2- Help Sandra to copy and paste Aubin's letter in the file aubin1.txt with vim command. Save and quit.
- 3- Help Sandra to display the contain of the file aubin1.txt. Which Linux command did you use? Write your Linux command here: _____

4- Sandra wants to count the number of words. Help her to write the appropriate Linux command for that. How many lines does she have? Linux command: _____ Number of words: _____

5- Sandra wants to count the number of characters. Help her to write the appropriate Linux command for that. How many lines does she have? Linux command: _____ Number of characters: _____

6- Sandra wants to count the number of lines. Help her to write the appropriate Linux command for that. How many lines does she have? Linux command: _____ Number of lines: _____

Help Sandra to open the file aubin1.txt with vim command.

7- Aubin wants Sandra to add line numbers to her file aubin1.txt on vim. What is the Linux command she will need to type to do it? Linux command: _____ Number of lines: _____

8- What are the total lines in each file according to vim aubin1.txt and cat aubin1.txt? Your answer: _____

9- What are the real total lines in each file according to vim aubin1.txt and cat aubin1.txt? Your answer: _____

10- On vim aubin1.txt, delete each line, one at the time, that are free of words. Which Linux command did you use? _____. Final number of lines after deleting _____. Save the file aubin1.txt and quit vim.

11- Help Sandra to display the contain of the file aubin1.txt. Which Linux command did you use? Write your Linux command here: _____

Cyrille and Truth

1- Cyrille has now switched from Sandra account to his own account. Which Linux command did he use? Linux command: _____.

2- Truth wants to open the file aubin1.txt with vim. Help Truth to write her Linux command to do it: _____.

- 3- Truth wants to add lines number on the text. Help her to do it. Vim command for that: _____.
- 4- Cyrille wants to reproduce the same text under the main text by copying one line at the time and paste it under the text. Help him by following these steps below:
- Copy the line 1 and paste it under the line 6
 - Copy the line 2 and paste it under the line 1
 - Copy the line 3 and paste it under the line 2
 - Copy the line 4 and paste it under the line 3
 - Copy the line 5 and paste it under the line 4
 - Copy the line 6 and paste it under the line 5

How many lines do you have in total? _____

- 5- Truth wants to see the same text on the screen, but with four (4) lines in between them. Help her to do that.
- Copy and erase the line twelve (12). Use the return button and create four (4) lines after the twelve (12) line. Paste the line 12 on the sixteen (16) line. Which vim command do you use to copy and erase? Write it here: _____
 - Use the up-arrow button and scroll up to the line eleven (11). Copy and erase the line eleven (11). Use the down arrow button and scroll down to the line sixteen (16). Paste the line eleven (11) on the line sixteen (16).
 - Use the up-arrow button and scroll up to the line ten (10). Copy and erase the line ten (10). Use the down arrow button and scroll down to the line sixteen (16). Paste the line ten (10) on the line sixteen (16).
 - Use the up-arrow button and scroll up to the nine (9). Copy and erase the line nine (9). Use the down arrow button and scroll down to the line sixteen (16). Paste the line nine (9) on the line sixteen (16).
 - Use the up-arrow button and scroll up to the eight (8). Copy and erase the line eight (8). Use the down arrow button and scroll down to the line sixteen (16). Paste the line eight (8) on the line sixteen (16).
 - Use the up-arrow button and scroll up to the seven (7). Copy and erase the line seven (7). Use the down arrow button and scroll down to the line sixteen (16). Paste the line seven (7) on the line sixteen (16).

- g. Adjust the numbers of lines to have only four (4) lines as a space between the two paragraphs. Which vim command did you use to do that? Write the vim command here: _____ and _____

Modeste and Jen

Modeste and Jen are the two students replacing Cyrille and Truth in what they were doing. They want to master their knowledges concerning vim command. They just took off from where Cyrille and Truth left on the screen. They didn't switch user on the computer. What is again the vim command to switch user? Write it here: _____. Hey!!! Be careful. If don't know. Say that << I don't know >> and ask for the answer. Don't say **#su [user]**. **Help Modeste in what follow.**

- 1- Modeste wants to move to the beginning of the file. Help him to write the vim command: _____.
- 2- To continue, help Modeste to move to the end of the line. Help him to write the vim command: _____.
- 3- Put on vim visual mode the line 16 up to the line 11. Help him to write the vim command: _____.
- 4- Copy the selected portion without erasing the text. Use the down arrow button, the right arrow button, esc button, insert button and create four (4) line space. Paste the text.
- 5- Put the last paragraph on visual mode. Copy and erase. Which vim command did you use to copy and erase? Write it here: _____.
- 6- Erase each line one at the time from the line 22 up to the line 6. At the end, you will have the original text. Jen wants to write the vim command that you have used to delete one line at the time. Write here: _____. Save and quit.

A snoop in the room

John is well known as the best snoop of MTSTC, but he has recently had a head injury which do not allow him temporarily to remember some Linux command that he use to accomplish his job.

- 1- John wants to display all Linux command that have been wrote by all students on the computer he just took from Modeste and Jen. What is that Linux command? Write it here: _____.
- 2- Before doing that, John didn't switch user under his prefer name. Do you think that the outcome will be the same if he switches user under his prefer name? YES or NO. Why?
- 3- What is the Linux command to switch user? Write it here: _____.
- 4- John wants to display the name of all the users that are currently connected. Help him to write the Linux command here: _____.
- 5- John is requesting to display the name of the system information he is currently used to fulfill its research. Help him to write the Linux command which will display that information to him here: _____.
- 6- Help John to display the name of the host that currently hosted the system. Write the Linux command here: _____.
- 7- Talking about the current computer architecture, John wants you to write the Linux command to display that information. Write the Linux command here: _____. Write the answer of the computer architecture here: _____. What does that mean to you? Explain.
- 8- Help John to get the number of CPU that the serve is using. Write the Linux command here: _____. What is the number of CPU of John computer? Write it here: _____.
- 9- Choose the right answer:
 - a. The more powerful and updated your processor, the faster your computer can complete its tasks.
 - b. By getting a more powerful processor, you can help your computer think and work faster.
 - c. The four primary functions of a processor are fetched, decode, execute, and write back.
 - d. 4th Gen Intel® Xeon® processors have the most built-in accelerators of any CPU on the market.
 - e. a and d

f. d and c

g. a,b and c

h. a,b,c and d

10- John wants to display all Linux command that have been wrote by you. What is that Linux command allowing you to show that to John? Write it here:

_____.

**Let me know if this exercise helps you. Your comments will be also highly appreciated.
You like, we share. Any pertinent suggestions from you, we update.**

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June and March
Linux or Vim command
Whoami / su [march] / w and who / his password /

Aubin and Sandra
Linux or Vim command
mkdir / touch / cd / wq / cat [file's name] / wc -l [file's name] / wc -w [file's name] / wc -c [file's name] / vim [file's name] / set nu / esc / l / : / dd / wq! /

Cyrille and Truth
Linux or Vim command
su [user's name] / vim [file's name] / set nu / yy / up arrow / esc / p / cc / down arrow / shift + v / [[/]] /

Modeste and Jen
Linux or Vim command
[[/]] / shift + v / p / y / c / right arrow / return button / esc / i / dd / wq! /

John
Linux or Vim command
history / su [user's name] / uname / w / hostname / arch / nproc / h /