

A SIMPLE WAY TO LEARN AS A DEVOPS ENGINEER BY READING

This document is share with you by s5willy.

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1. Merry and Jack

- a. Merry and Jack are both students at Mytech Solution Training Center – MSTC inc. During a class session they are both connected on the server. They want to know their prefer name. Which Linux Command are you going to suggest to them to help them get their answer? Linux command: _____
- b. Jack wants to create a directory named **Jacky** with two subdirectories named **Jacky1** and **Jacky2**. You are asked to help Jack with that task.
- c. Jack has fulfilled his task with success. Merry has six fruits of four types. Mango, orange, kiwi, and banana. Merry wants Jack to save the mango and banana in the subdirectory jacky1 and the two other types (orange and kiwi) inside the subdirectory jacky2. Help Jack as he likes to teamwork with you. Mango and orange will be the subdirectories of jacky1. Kiwi and banana will be the subdirectories of jacky2.
- d. Merry and Jack want to assign each fruit a digit from 1 to 6 and consider them as folders in the directory of their type of fruit. Help them by using once on the right absolute path of each type with only one Linux command.

2. Rosalie and Paul

- a. Merry and Jack share what they did with Rosalie and Paul. Rosalie has accepted to manage the subdirectory jacky1 and Paul will take care of the subdirectory jacky2. Rosalie wants to share her fruits with a friend. After she has made the offer to her friend, he has accepted to take half of each type of the fruit she possesses. You are requested to help Rosalie with her sharing task. Use the first three fruits of each type when sharing.
- b. Rosalie did great. Paul is now asked to do the same as Rosalie. Which Linux command do Paul needs to type? Linux command _____
- c. Paul is now at the following point: ~/jacky/jacky2/orange\$ Which Linux command you will use to move two steps back? Linux Command _____. (**Note:** s5paul will be automatically replaced by **your** prefer name along the exercise)
- d. What will be the only one Linux command Paul would have been used to move two steps back to the directory Jacky? Linux command _____.

- e. After getting the information that an orphanage is needing fruits for its orphans, Paul has created a subdirectory named orphanage. Help Paul to make sure that the subdirectory orphanage is well created.
- f. In the subdirectory orphanage, Paul has decided to move the three last fruits (item4; item5; item6) of each type that he possesses. Help Paul to make sure that the move is well done.
- g. Paul is at the following step: ~/jacky/jacky2/orange\$ Which Linux command Paul needs to use to reach the following absolute path: ~/jacky/jacky2\$ Linux command _____
- h. Paul wants to see which directories are in the directory jacky2 Which Linux command do he needs to use?
- i. A friend of Paul who is aware that Paul is giving fruits to an orphanage gave to him three potatoes, three onions and three beets. Help Paul to add this vegetable as file in the subdirectory orphanage. Add the digit 1 up to 3 on each item. Rosalie wants Paul to use only one Linux command. What will be that Linux command _____?

3. Curtis and Melanie

- a. Curtis and Melanie will be the students who will continue with Rosalie and Paul task. Curtis and Melanie have agreed to rename the subdirectory orphanage to gift because Melanie prefers it like that. She believes that the word gift demonstrates that their action comes from the bottom of their heart. Write the Linux command to satisfy the request of Melanie _____
- b. Someone came to collect the gift. Curtis and Melanie have decided to give only two items of each type that they possess. Only the item with the digits 1 and 4 will remain in the subdirectory gift. Write the only one Linux command which will allow you to do that _____

4. John and Isabella

- a. After using the Linux command to list the content of the remaining items in the subdirectory **gift**, John and Isabella who work on behalf you want to move two steps back to the directory **jacky**. Write the Linux command that they will use to reach that goal _____

- b. John and Isabella would like to know what the Linux command “tree” means. Which Linux command you will suggest to them to learn about the meaning of the Linux command “tree”? Linux command _____
- c. From the following absolute path: ~/jacky\$ John and Isabella are requested to pull out the tree of their job by using the Linux command “tree”. Help them to complete this task.
- d. Help John and Isabella to complete what follow:

Total number of directories and subdirectories: _____

Total number of files: _____

Which subdirectories have the same number of files? _____ and _____

5. Emilie and Santos

- a. From the tree which Linux command you will suggest to Emilie and Santos to search for the path of the current directory they are in?
Linux command _____
- b. Help Emilie and Santos to write Linux command which will help them to reach out to the subdirectory gift.

Step 1: Linux command _____

Step 2: Linux command _____

Step 3: Linux command _____

Step 4: Linux command _____
- c. Which Linux command will you suggest to Emilie and Santos to list the content of the subdirectory gift? Linux command _____

6. Moses and Daphne

- a. Moses and Daphne want to write in each file in the subdirectory gift the following sentence:

I love (write the name of the item).

For example: I love beet (when in the **beet1.txt** folder)

Which Linux command are you going to use before to add the file name? Write it here

- b. Which command are you going to suggest to Moses and Daphne to see the content of each folder? Linux command _____.
- c. Moses and Daphne are asked to add at the end of each sentence in each file what follow: ... **because it tastes good**. Help them to complete that task.

7. Bill and Jen

Bill and Jen are here to read and copy.

- a. Bill only read when the characters are big. Help him with a command to enlarge the characters. Write the command _____
- b. Jen only read when the characters are small because she wears glasses which enlarge characters for her. Help her with a command to reduce the characters. Write the command _____
- c. From the absolute part ~/jacky/jacky2/kiwi\$ Bill wants to copy all the content of the subdirectory **kiwi** and put it into the subdirectory **orange**. **Help him to do that.**
- d. From the absolute part ~/jacky/jacky2/orange\$ Jen wants to copy all the content of the subdirectory **orange (only the orange items)** and put it into the subdirectory **kiwi**. **Help her to do that.**
- e. From the absolute path ~/jacky/jacky2\$ Open the subdirectory **gift** and create with only one linux command the following folders: blue.txt; black.txt; baby.txt; kepi.txt; klenex.txt; kilo.txt; october.txt; orelia.txt; ozone.txt; peter.txt; power.txt and papa.txt

8. Jason and Mireille

Jason and Mireille will start their job just after what **Bill and Jen have done**.

- a. Mireille wants to find out the file which name start with **po**. Help her to do that and write down the name of the file: _____. What is the number of the file? _____. Use one Linux command to answer to this question.

- b. Jason wants to find out the file which name start with **or**. Help him to do that and write down the name of the file: _____. What is the number of the file? _____. Use one Linux command to answer to this question.
- c. What is the right Linux command to use to find out the file name which starts with oz? Write the right number of the answer here: _____
 - 1. cat |grep oz
 - 2. ls |grep *oz
 - 3. ls |grep oz*
 - 4. ls |grep oz
 - 5. grep | ls os
- a. **Jason and Mireille** want to make the list of all files in the subdirectory gift which end with .txt Write the right Linux command that they will use here:

- b. Help Jason to write in the file beet1.txt the sentence: I like onion; and help him also to write in the file onion1.txt the sentence: I like beet.
- c. Help Mireille to write in the file orange4.txt the sentence: I like kiwi; and help her to write in the file kiwi4.txt the sentence: I like orange.
- d. By using the Linux command vimdiff, establish the difference between the file beet1.txt and onion1.txt
- e. By using the Linux command vimdiff, establish the difference between the file orange4.txt and kiwi4.txt

9. Justin

Justin is the student taking the place of Jason and Mireille.

- a. Help him to clear his screen. **Important:** you should be able to scroll up and see what was on your screen. (This is for you if you want to push one step forward with the clear command)
10. Now. Is the breaktime! You should exit your terminal and reconnect in 15 min. Redo this exercise one more time by reducing your time spend on it. **Good luck!!!!**

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Together we will go far.
No one needs to go fast.

Mytech Solution Training Center – MSTC

Merry and Jack
Linux Command
Whoami / ls / mkdir / cd .. / touch / mkdir

Rosalie and Paul
Linux Command
mv / ls / cd .. / cd .. / .. / ls / mkdir /

Curtis and Melanie
Linux command
mv / ls / rm -rf /

John and Isabella
Linux command
ls / cd ../. / man / tree /

Emilie and Santos
Linux command
pwd / ls / cd /

Moses and Daphne
Linux command
vim / esc / shift / colon / i / cat / wp! /

Bill and Jen
Linux command
Command + / command - / cd ../ ls / touch /

Jason and Mireille
Linux command
ls / / grep / vim / esc / wq! / i/ colon / vimdiff /

Justin
Linux command
Clear -x /