Exercise [#1](/pokon/introduction-to-linux-terminal/-/issues/1) Print current working directory.

pwd

Exercise [#2](/pokon/introduction-to-linux-terminal/-/issues/2) List all files in your current working directory. As output print count number of files.

ls | wc -1

Exercise #5 Create new folder tcc-ex.

mkdir ~/tcc-ex

Exercise #6 Create 5 files: file1...file5.txt in tcc-ex folder by one single command.

cd ~/tcc-ex

touch file1.txt file2.txt file3.txt file4.txt file5.txt

Exercise #7 List all files in tcc-ex folder via absolute and relative path.

ls /home/izabela1/tcc-ex

ls ~/tcc-ex

Exercise #8 What are privileges of create\_files.

ls -l

Exercise #9 List all hidden files in $HOME directory. As output print count number of files.

cd /home

ls -A | wc -l

Exercise #10 List all hidden files in $HOME directory and sorted those files by size.

cd /home

ls -AS

Exercise #11 Open manual for ls command, search for option -l. How many times it is mentioned? Explain how you managed to count it without wasting time.

man ls | grep -c ‘ -l’

Exercise #12 Create foo/bar subfolders in tcc-ex folder, as output display what mkdir is doing.

cd ~/tcc-ex

mkdir -v foo foo/bar

Exercise #13 Create random file in bar folder.

cd ~/tcc-ex/foo/bar

touch random

Exercise #14 Remove bar folder.

cd ~/tcc-ex/foo

rm bar

Exercise #15 Copy all files from tcc-ex folder to foo.

cp file1.txt file2.txt file3.txt file4.txt file5.txt foo

Exercise #16 List files in foo folder and insert output into every file.

ls foo > file1.txt

ls foo > file2.txt

ls foo > file3.txt

ls foo > file4.txt

ls foo > file5.txt

Exercise #17 Create bar folder in tcc-ex/foo directory and move there file5.txt.

mkdir ~/tcc-ex/foo/bar

cd ~/tcc-ex

mv file5.txt foo/bar

Exercise #18 Rename foo folder to fizz.

mv foo fizz

Exercise #19 Create file6.txt in tcc-ex/fizz/bar directory, copy file5.txt to new one, use proper option to confirm your decision.

cd ~/tcc-ex/fizz/bar

touch file6.txt

cp -i --copy-contents file5.txt file6.txt

Exercise #20 Change format of file2.txt to .log. List all files with .txt format in /tcc-ex/fizz directory.

cd ~/tcc-ex/fizz

rm file2.txt file2.log

ls \*.txt

Exercise #21 List all files in with name in range 0...2.

ls \*[0-2].\*

Exercise #22 List of /etc directory with only files that contain an extension.

ls /etc -d \*.\*

Exercise #23 Create in tcc-ex folder script hello\_world, check permissions.

cd ~/tcc-ex

touch hello\_world.sh

ls -l

Exercise #24 Grant full permissions for the owner and read and executable permissions for others to script hello\_world.

chmod 775 hello\_world.sh

Exercise #25 List permisions for tcc-ex directory.

cd ~/

ls -l

Exercise #26 Remove read permission for file1.txt from tcc-ex directory then read it.

cd ~/tcc-ex

chmod 220 file1.txt

nano file1.txt

Exercise #27 Remove write permission for file3.txt then try to open it

cd ~/tcc-ex

chmod 444 file3.txt

nano file3.txt

Exercise #28 Explore around /etc and /bin directories about general permissions.

cd /etc | ls -l

cd /bin | ls -l

Exercise #29 Create filters.txt file in tcc-ex folder, fill it with below test data.

Fred apples 20

Susy oranges 5

Mark watermelons 12

Robert pears 4

Terry oranges 9

Lisa peaches 7

Susy oranges 12

Mark grapes 39

Anne mangoes 7

Greg pineapples 3

Exercise #30 Print first 3 lines of filters.txt file.

head -3 ~/tcc-ex/filters.txt

Exercise #31 Print last 2 lines of filters.txt file.

tail -2 ~/tcc-ex/filters.txt

Exercise #32 Print number of lines for filters.txt file.

wc -l ~/tcc-ex/filters.txt

Exercise #33 Print number of words in filters.txt file.

wc -w ~/tcc-ex/filters.txt

Exercise #34 Print names only from filters.txt file.

cat filters.txt | grep -Eo “^[^ ]+” filters.txt

Exercise #35 Print names and fruits from filters.txt file.

cut -d’ ‘ -f1,2 filters.txt

Exercise #36 Print every line from filters.txt witch contained string *melon*.

cat filters.txt | grep “melon” filters.txt

Exercise #37 Print number of lines which contained string *melon*.

cat filters.txt | grep -c “melon” filters.txt

Exercise #38 Print all lines with number 2 as the last character on the line.

grep '2$' filters.txt

Exercise #39 Print all lines which contains either is or go.

grep 'is\|go' filters.txt

Exercise #40 Print all lines for everyone who's name begin with A-K.

cat filters.txt | grep '^[A-K]' filters.txt

Exercise #40 List all files in tcc-ex folder, store output into new file redirection.txt.

ls > redirection.txt

Exercise #41 Append redirection.txt with first line of filters.txt file.

head -1 filters.txt >> redirection.txt

Exercise #42 Sort listing of the directory /etc so that all directories are listed first.

cd /etc

ls -h --group-directories-first