CA Boot Camp 2020 Assignment 02

Question 01: **Create directories which would have the following structure by using only mkdir command:**

Please note that i am using a Windows Computer hence my answers will be in cmd or PowerShell.

**Answer 01:**

Directory of C:\Users\metis\OneDrive

05/19/2020 09:25 PM <DIR> .

05/19/2020 09:25 PM <DIR> ..

05/17/2020 07:21 PM <DIR> Desktop

05/17/2020 01:26 PM <DIR> Documents

11/25/2018 05:21 PM <DIR> Email attachments

11/25/2018 05:21 PM <DIR> Music

05/13/2020 10:51 PM <DIR> Pictures

0 File(s) 0 bytes

7 Dir(s) 27,875,729,408 bytes free

C:\Users\metis\OneDrive>mkdir consultadd

C:\Users\metis\OneDrive>cd conultadd

The system cannot find the path specified.

C:\Users\metis\OneDrive>cd consultadd

C:\Users\metis\OneDrive\consultadd>mkdir Python Django RestFrame

C:\Users\metis\OneDrive\consultadd>dir

Volume in drive C is Acer

Volume Serial Number is 1681-FAA1

Directory of C:\Users\metis\OneDrive\consultadd

05/19/2020 09:27 PM <DIR> .

05/19/2020 09:27 PM <DIR> ..

05/19/2020 09:27 PM <DIR> Django

05/19/2020 09:27 PM <DIR> Python

05/19/2020 09:27 PM <DIR> RestFrame

0 File(s) 0 bytes

5 Dir(s) 27,871,842,304 bytes free

C:\Users\metis\OneDrive\consultadd>mkdir Python Django RestFrame java springboot angular javascript angular react SQL mysql bootcamp

A subdirectory or file Python already exists.

Error occurred while processing: Python.

A subdirectory or file Django already exists.

Error occurred while processing: Django.

A subdirectory or file RestFrame already exists.

Error occurred while processing: RestFrame.

A subdirectory or file angular already exists.

Error occurred while processing: angular.

**<Here i understood that the assignment meant to create each folder together… i initially thought we had to make each folder in groups of 3 since there was that kind of spacing/tabbing in the question… so i get the warning/error message that some folders already exist...>**

C:\Users\metis\OneDrive\consultadd>dir

Volume in drive C is Acer

Volume Serial Number is 1681-FAA1

Directory of C:\Users\metis\OneDrive\consultadd

05/19/2020 09:28 PM <DIR> .

05/19/2020 09:28 PM <DIR> ..

05/19/2020 09:28 PM <DIR> angular

05/19/2020 09:28 PM <DIR> bootcamp

05/19/2020 09:27 PM <DIR> Django

05/19/2020 09:28 PM <DIR> java

05/19/2020 09:28 PM <DIR> javascript

05/19/2020 09:28 PM <DIR> mysql

05/19/2020 09:27 PM <DIR> Python

05/19/2020 09:28 PM <DIR> react

05/19/2020 09:27 PM <DIR> RestFrame

05/19/2020 09:28 PM <DIR> springboot

05/19/2020 09:28 PM <DIR> SQL

0 File(s) 0 bytes

13 Dir(s) 27,869,315,072 bytes free

**Task 02:**

C:\Users\metis\OneDrive\consultadd>mkdir consultadd

C:\Users\metis\OneDrive\consultadd>mkdir consultadd\dir1 consultadd\dir2

C:\Users\metis\OneDrive\consultadd>cd consultadd

C:\Users\metis\OneDrive\consultadd\consultadd>dir

Volume in drive C is Acer

Volume Serial Number is 1681-FAA1

Directory of C:\Users\metis\OneDrive\consultadd\consultadd

05/19/2020 09:35 PM <DIR> .

05/19/2020 09:35 PM <DIR> ..

05/19/2020 09:35 PM <DIR> dir1

05/19/2020 09:35 PM <DIR> dir2

0 File(s) 0 bytes

4 Dir(s) 27,782,164,480 bytes free

**<Here i am just testing if we can create multiple directories from outside of the parent directory… i actually can… so made made all 5 from the parent of the parent directory...>**

C:\Users\metis\OneDrive\consultadd\consultadd>cd..

C:\Users\metis\OneDrive\consultadd>mkdir consultadd\dir3 consultadd\dir4 consultadd\dir5

C:\Users\metis\OneDrive\consultadd\consultadd>dir /q /ad

Volume in drive C is Acer

Volume Serial Number is 1681-FAA1

Directory of C:\Users\metis\OneDrive\consultadd\consultadd

05/19/2020 09:35 PM <DIR> LAPTOP-0C6H7QL6\Metison.

05/19/2020 09:35 PM <DIR> LAPTOP-0C6H7QL6\Metison..

05/19/2020 09:35 PM <DIR> LAPTOP-0C6H7QL6\Metisondir1

05/19/2020 09:35 PM <DIR> LAPTOP-0C6H7QL6\Metisondir2

05/19/2020 09:35 PM <DIR> LAPTOP-0C6H7QL6\Metisondir3

05/19/2020 09:35 PM <DIR> LAPTOP-0C6H7QL6\Metisondir4

05/19/2020 09:35 PM <DIR> LAPTOP-0C6H7QL6\Metisondir5

0 File(s) 0 bytes

7 Dir(s) 27,718,909,952 bytes free

**<alternative to ls -l for windows… i guess??>**

**<i couldnt find the alternative to ls and echo… i.e. the difference between these two… i have read up on the two and I know that echo just echoes the names of the files and directories in the current directory, ls lists the names of the files (just like echo does), but it also lists the contents of the directories instead of just giving their name. Sorry that i couldnt find the alternative to echo in windows...>**

C:\Users\metis\OneDrive\consultadd\consultadd\dir3>type nul > file1.txt

C:\Users\metis\OneDrive\consultadd\consultadd\dir3>type nul > file2.txt

C:\Users\metis\OneDrive\consultadd\consultadd\dir3>dir

Volume in drive C is Acer

Volume Serial Number is 1681-FAA1

Directory of C:\Users\metis\OneDrive\consultadd\consultadd\dir3

05/19/2020 09:53 PM <DIR> .

05/19/2020 09:53 PM <DIR> ..

05/19/2020 09:53 PM 0 file1.txt

05/19/2020 09:53 PM 0 file2.txt

2 File(s) 0 bytes

2 Dir(s) 27,688,042,496 bytes free

**Moving dir5 to dir3:**

C:\Users\metis\OneDrive\consultadd\consultadd>move dir5 C:\Users\metis\OneDrive\consultadd\consultadd\dir3

1 dir(s) moved.

C:\Users\metis\OneDrive\consultadd\consultadd>cd dir3

C:\Users\metis\OneDrive\consultadd\consultadd\dir3>dir

Volume in drive C is Acer

Volume Serial Number is 1681-FAA1

Directory of C:\Users\metis\OneDrive\consultadd\consultadd\dir3

05/19/2020 09:58 PM <DIR> .

05/19/2020 09:58 PM <DIR> ..

05/19/2020 09:56 PM <DIR> dir5

05/19/2020 09:53 PM 0 file1.txt

05/19/2020 09:53 PM 0 file2.txt

2 File(s) 0 bytes

3 Dir(s) 27,677,315,072 bytes free

**<Move dir3 content to dir2>**

**<i couldnt find how to move all files and folders together… so moving separately...>**

C:\Users\metis\OneDrive\consultadd\consultadd\dir3>move C:\Users\metis\OneDrive\consultadd\consultadd\dir3\\* C:\Users\metis\OneDrive\consultadd\consultadd\dir2

C:\Users\metis\OneDrive\consultadd\consultadd\dir3\file1.txt

C:\Users\metis\OneDrive\consultadd\consultadd\dir3\file2.txt

2 file(s) moved.

**<remove dir3>**

C:\Users\metis\OneDrive\consultadd\consultadd\dir3>move C:\Users\metis\OneDrive\consultadd\consultadd\dir3\dir5 C:\Users\metis\OneDrive\consultadd\consultadd\dir2

1 dir(s) moved.

C:\Users\metis\OneDrive\consultadd\consultadd\dir3>cd..

C:\Users\metis\OneDrive\consultadd\consultadd>rmdir dir3

C:\Users\metis\OneDrive\consultadd\consultadd\dir2>type nul > index.html

**<list all files and subfolders with ownership>**

C:\Users\metis\OneDrive\consultadd\consultadd>dir /s /q

Volume in drive C is Acer

Volume Serial Number is 1681-FAA1

Directory of C:\Users\metis\OneDrive\consultadd\consultadd

05/19/2020 10:18 PM <DIR> LAPTOP-0C6H7QL6\Metison.

05/19/2020 10:18 PM <DIR> LAPTOP-0C6H7QL6\Metison..

05/19/2020 09:35 PM <DIR> LAPTOP-0C6H7QL6\Metisondir1

05/19/2020 10:19 PM <DIR> LAPTOP-0C6H7QL6\Metisondir2

05/19/2020 09:35 PM <DIR> LAPTOP-0C6H7QL6\Metisondir4

0 File(s) 0 bytes

Directory of C:\Users\metis\OneDrive\consultadd\consultadd\dir1

05/19/2020 09:35 PM <DIR> LAPTOP-0C6H7QL6\Metison.

05/19/2020 09:35 PM <DIR> LAPTOP-0C6H7QL6\Metison..

0 File(s) 0 bytes

Directory of C:\Users\metis\OneDrive\consultadd\consultadd\dir2

05/19/2020 10:19 PM <DIR> LAPTOP-0C6H7QL6\Metison.

05/19/2020 10:19 PM <DIR> LAPTOP-0C6H7QL6\Metison..

05/19/2020 10:12 PM <DIR> LAPTOP-0C6H7QL6\Metisondir5

05/19/2020 09:53 PM 0 LAPTOP-0C6H7QL6\Metisonfile1.txt

05/19/2020 09:53 PM 0 LAPTOP-0C6H7QL6\Metisonfile2.txt

05/19/2020 10:19 PM 0 LAPTOP-0C6H7QL6\Metisonindex.html

3 File(s) 0 bytes

Directory of C:\Users\metis\OneDrive\consultadd\consultadd\dir2\dir5

05/19/2020 10:12 PM <DIR> LAPTOP-0C6H7QL6\Metison.

05/19/2020 10:12 PM <DIR> LAPTOP-0C6H7QL6\Metison..

0 File(s) 0 bytes

Directory of C:\Users\metis\OneDrive\consultadd\consultadd\dir4

05/19/2020 09:35 PM <DIR> LAPTOP-0C6H7QL6\Metison.

05/19/2020 09:35 PM <DIR> LAPTOP-0C6H7QL6\Metison..

0 File(s) 0 bytes

Total Files Listed:

3 File(s) 0 bytes

14 Dir(s) 27,652,653,056 bytes free

**<Rename files>**

C:\Users\metis\OneDrive\consultadd\consultadd\dir2>ren \*.txt \*.py

C:\Users\metis\OneDrive\consultadd\consultadd\dir2>dir

Volume in drive C is Acer

Volume Serial Number is 1681-FAA1

Directory of C:\Users\metis\OneDrive\consultadd\consultadd\dir2

05/19/2020 10:32 PM <DIR> .

05/19/2020 10:32 PM <DIR> ..

05/19/2020 10:12 PM <DIR> dir5

05/19/2020 09:53 PM 0 file1.py

05/19/2020 09:53 PM 0 file2.py

05/19/2020 10:19 PM 0 index.html

3 File(s) 0 bytes

3 Dir(s) 27,635,195,904 bytes free

**Task 03:**

Nano editor is a text editor pre-installed in linux and ubuntu environments… has similar functionalities as vim or bash or any other editor… but is generally easier to use... Nano has a pseudo-graphical layout that makes it a little easier to jump right into.

Saving is easy… press ctrl + O keys

Vi editor is the same as above… but i personally feel it is stronger than nano editor (i dont use nano as much… mostly just for exam purposes… maybe because now i remember Vi commands and thats the one i have been using since a long time...)

Vi is old school with a blank layout and no visible controls, which can make it difficult to work with for beginners. However, it is very powerful and can be used very quickly to edit config files and used for scripts, etc.

**Task 04:**

**<dont know if this is what was asked for>**

**<Finger>**

C:\Users\metis\OneDrive\consultadd\consultadd\dir2>Finger -l Metison

[LAPTOP-0C6H7QL6]

> Finger: connect::Connection refused

**<for cal i found the closest command date… i also found mstoolkit which imitates cal command and can be installed>**

**<create file and read it>**

C:\Users\metis\OneDrive\consultadd\consultadd\dir2>copy con random.txt

Hello Welcome to Consultadd Inc Bootcamp

^Z

1 file(s) copied.

C:\Users\metis\OneDrive\consultadd\consultadd\dir2>echo random.txt

random.txt

C:\Users\metis\OneDrive\consultadd\consultadd\dir2>type random.txt

Hello Welcome to Consultadd Inc Bootcamp

C:\Users\metis\OneDrive\consultadd\consultadd\dir2>

**<Task 05>**

Internet workflow:

The Internet is something similar to the connection of two devices… modern era advocates security, hence we have a much more sophisticated connection… Basically internet means a huge bus/line of connection such that the hosts (website hosts that are visited and who host the websites) and the clients (those who visit websites) are all interconnected to each other… imagine a long line of a train such that there all the stations available and you are one of the stations… if you climb from your station and want to visit some other station (website from a host), you go to your station, tell the train driver to take you to that station and he takes you to that particular station… it may be that that station is interconnected to other stations, and you get content of two stations in one… but the railway track you are using… not just you, but everyone who is using this railway track, that railway track is called the internet…

LAN and WAN are not very different… they are similar save for the fact that lan is restrictive usage, only over a small group of people… WAN is for a larger group of people, and has generally more security in the form of certificates, privacy and even browser integrity… LAN on the other hand is for a small scale of people, though you can still host sites, transfer data etc. ALL THINGS YOU CAN DO ON WAN CAN BE DONE ON LAN (website hosting, file and data transfer etc.) but LAN is generally on a smaller scale of over one or two servers...