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Bootcamp Assignment

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Day 2

Task 01

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

Answer:C:\Users\student2\Task2>mkdir Consultadd\Python\Django\restframework,Java\springboot,Javascript\angular\react,SQL\mysql, bootcamp

Output:

├───bootcamp

├───Consultadd

│ └───Python

│ └───Django

│ └───restframework

├───Java

│ └───springboot

├───Javascript

│ └───angular

│ └───react

└───SQL

└───mysql

**TASK 02:**

* Create Directory called consultadd

Answer: C:\Users\student2>mkdir consultadd

* Inside that create 5 more directories named them as dir1, dir2, dir3, dir4 and dir5

Answer: C:\Users\student2\consultadd>mkdir dir1,dir2,dir3,dir4,dir5

* What would be the output of Long Listing after creating these directories?

Answer: C:\Users\student2\consultadd>dir /s

I used this command for long listing in windows command prompt. It gave the following output.

Directory of C:\Users\student2\consultadd

05/20/2020 03:10 AM <DIR> .

05/20/2020 03:10 AM <DIR> ..

05/20/2020 03:10 AM <DIR> dir1

05/20/2020 03:10 AM <DIR> dir2

05/20/2020 03:10 AM <DIR> dir3

05/20/2020 03:10 AM <DIR> dir4

05/20/2020 03:10 AM <DIR> dir5

0 File(s) 0 bytes

Directory of C:\Users\student2\consultadd\dir1

05/20/2020 03:10 AM <DIR> .

05/20/2020 03:10 AM <DIR> ..

0 File(s) 0 bytes

Directory of C:\Users\student2\consultadd\dir2

05/20/2020 03:10 AM <DIR> .

05/20/2020 03:10 AM <DIR> ..

0 File(s) 0 bytes

Directory of C:\Users\student2\consultadd\dir3

05/20/2020 03:10 AM <DIR> .

05/20/2020 03:10 AM <DIR> ..

0 File(s) 0 bytes

Directory of C:\Users\student2\consultadd\dir4

05/20/2020 03:10 AM <DIR> .

05/20/2020 03:10 AM <DIR> ..

0 File(s) 0 bytes

Directory of C:\Users\student2\consultadd\dir5

05/20/2020 03:10 AM <DIR> .

05/20/2020 03:10 AM <DIR> ..

0 File(s) 0 bytes

Total Files Listed:

0 File(s) 0 bytes

17 Dir(s) 413,990,457,344 bytes free

* List all the directories with ls and echo \* and see the difference.

Answer: C:\Users\student2\consultadd>dir

I used this command in windows command prompt and got the following result

Directory of C:\Users\student2\consultadd

05/20/2020 03:10 AM <DIR> .

05/20/2020 03:10 AM <DIR> ..

05/20/2020 03:10 AM <DIR> dir1

05/20/2020 03:10 AM <DIR> dir2

05/20/2020 03:10 AM <DIR> dir3

05/20/2020 03:10 AM <DIR> dir4

05/20/2020 03:10 AM <DIR> dir5

0 File(s) 0 bytes

7 Dir(s) 413,985,243,136 bytes free

C:\Users\student2\consultadd>echo

ECHO is on.

* Create a 2 files named them file1.txt and file2.txt inside dir3

Answer: C:\Users\student2\consultadd\dir3>md file1.txt,file2.txt

* Move dir5 into the dir3

Answer: C:\Users\student2\consultadd>move dir5 \dir3

1 dir(s) moved.

* Remove dir 3 after moving all files from dir3 to dir2.

Answer: C:\Users\student2\consultadd\dir2>rmdir dir3

* Go to the dir2 and create one more file with name index.html

Answer:C:\Users\student2\consultadd\dir2>mkdir index.html

* Move to top level directory

Answer:C:\Users\student2\consultadd\dir2>cd..

* Check the permission of all files and directory from current place make sure when you do **pwd** it should be on consultadd

Answer: C:\Users\student2\consultadd>cd

C:\Users\student2\consultadd

C:\Users\student2>icacls consultadd

consultadd NT AUTHORITY\SYSTEM:(I)(OI)(CI)(F)

BUILTIN\Administrators:(I)(OI)(CI)(F)

LAPTOP-OFAN5TTE\Gladstone:(I)(OI)(CI)(F)

* Rename all files of dir2 with extension of .txt to .py

Answer: C:\Users\student2\consultadd\dir2>ren \*.txt \*.py

**TASK: 03**

* What is Nano Editor?
  + How to create a sample file in Nano Editor?
  + How to save a file?

Answer: Nano is a text editor for Unix-like computing systems or operating environments using a command line interface. We can create a sample file in Nano Editor using the command *$ nano* Or *$ nano [file-name]* the second one can also be used to open file

* What is Vi Editor?
  + Operation in Vi Editor

Answer: The default editor that comes with UNIX operating system is called VI(Visual Editor). It is a full screen editor and has three modes of operation.

1. Command mode
2. Insert mode
3. Escape mode

**TASK: 04**

* Type **finger** to see your account and name.

Answer: C:\Users\student2\consultadd\dir2>finger

Displays information about a user on a specified system running the

Finger service. Output varies based on the remote system.

FINGER [-l] [user]@host [...]

-l Displays information in long list format.

user Specifies the user you want information about. Omit the user

parameter to display information about all users on the

specified host.

@host Specifies the server on the remote system whose users you

* Type **cal** to see this month’s calendar.

Answer:C:\Users\student2\consultadd\dir2>cal

* Create a file and give a name random.txt to it with content into it which say “Hello Welcome to the Consultadd Inc Bootcamp”.

Answer: C:\Users\student2\Desktop>copy con random.txt

Hello Welcome to Bootcamp

* Display the same content using **cat** command.

Answer: C:\Users\student2\Desktop>echo Hello Welcome to Bootcamp >secondrandom.txt

**TASK: 05**

* Explain the workflow of the Internet in one paragraph.

Answer: The Internet is a wire which can be cable, fiber optics or satellite. Any computers directly connected to this wire can communicate with each other. These computers connected to the internet are called servers and each server has their own unique Internet Protocol ( IP) address. If you connect to the Internet through an Internet Service Provider (ISP), you are usually assigned a temporary IP address for the duration of your dial-in session. If you connect to the Internet from a local area network (LAN) your computer might have a permanent IP address or it might obtain a temporary one from a DHCP (Dynamic Host Configuration Protocol) server. In any case, if you are connected to the Internet, your computer has a unique IP address. These IP addresses are numbers which are hard to remember so we give them names like google or yahoo. In this case my computer is not directly connected to the internet so it cannot be said as a server. It's a client which connects to the internet through ISP. So if I want to see information on Yahoo I login into my computer and connect to the internet via ISP and look into Yahoo which is a server and ISP at the same time. This is basically how the internet works.

* How LAN is different from the WAN network?

Answer:**Local Area Network (LAN):**

LAN is a group of network devices which allow the communication between connected devices. The private ownership has the control over the local area network rather than public. LAN has a shorter propagation delay than WAN. It covers the smallest area such as: College, School Hospital and so on.

**Wide Area Network (WAN):**

WAN covers the larger area than LAN as well as MAN such as: Country/Continent etc. WAN is expensive and should or might not be owned by one organization. PSTN or Satellite medium are used for wide area networks.