WINDOWS COMMANDS

General commands

- USER MODE VS ADMIN MODE
- LAUNCH COMMAND PROMPT
- CHANING A DRIVE
- CHANGING A DIRECTORY
- LIST DIRECTORY
- CLEARING CONSOLE
- SYSTEM DATE AND TIME

Registry commands

- REG ADD
- REG DELETE
- REG COPY
- REG SAVE
- REG RESTORE
- REG EXPORT
- REG IMPORT
- REG QUERY

Service Commands

- SC CONFIG
- SC CONTINUE
- SC ENUMDEPEND
- SC OC
- SC FAILURE
- SC PAUSE
- SC QUERY "SERVICE NAME"
- SC START
- SC STOP
- NET START
- NET STOP "SERVICE NAME"
- SFC/SCANNOW

Network commands

- $\circ \, \underline{FTP}$
- $\circ \, \underline{DNS}$
 - IPCONFIG
 - IPCONFIG/ALL
 - NSLOOKUP
 - PING
 - TRACERT

Memory

General windows commands:



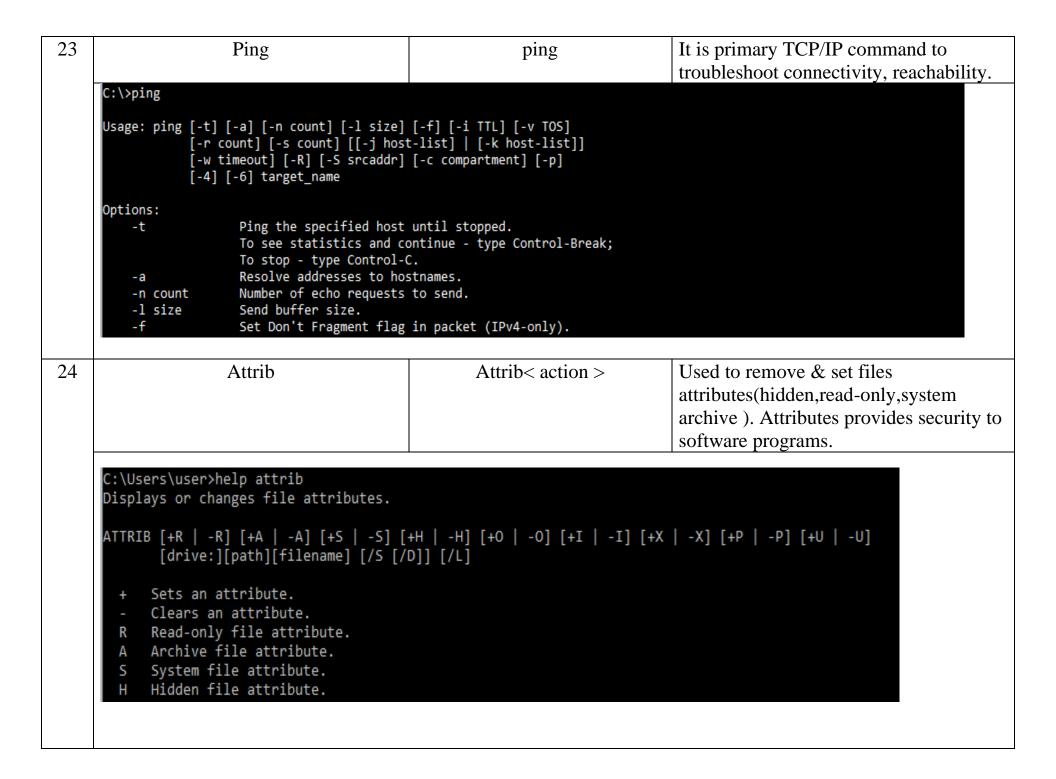
3	Dir	dir	To know, what are the folders in that particular Drive.
	C:\Users\user>dir Volume in drive C has no label. Volume Serial Number is CA55-AEBF		
	Directory of C:\Users\user		
	22-Feb-21 12:48 PM	ntacts sktop cuments unloads	
4			To go into the file in that particular drive
	cd folder name C:\Users\user>cd contacts	cd <folder name=""></folder>	
	C:\Users\user\Contacts>		·
5	cd&cd/	cd	To close the opened file & moving to previous folder
	<pre>E:\SDP_RM2021\assignments\assignment_0_wi E:\SDP_RM2021\assignments> E:\SDP_RM2021\assignments>cd E:\SDP_RM2021>cd E:\>cd SDP_RM2021\assignments\assignment_ E:\SDP_RM2021\assignments\assignment_0_wi</pre>	_0_with_functions	
	E:\SDP_RM2021>		
6	Cls	cls	To clear the command prompt
7	Date	date	To view date and we can change the date
	C:\Users\user>date The current date is: 23-Feb-21 Enter the new date: (dd-mm-yy)		

8	Time			time		We can see the time and we can modify
	C:\Users\user>time The current time is: 2:43 Enter the new time:	26.86				
9	Cmd			cmd		To open/restart command prompt freshly
	C:\Users\user>cmd Microsoft Windows [Version (c) 2020 Microsoft Corporat	10.0.19042.804 tion. All right	 s reserved	ı.		
	C:\Users\user>					
10	Hostname			hostname		Pc name will shown
	C:\Users\user>hostname DESKTOP-S7VJU50					
	C:\Users\user>					
11	Tasklist			tasklist		To see running applications in your pc
	C:\Users\user>tasklist					
	Image Name	PID Sessio		Session#	Mem Usage	
	System Idle Process	0 Servic		 0	 8 K	
	System	4 Servic		0	120 K	
	Registry	100 Servic	es	0	53,132 K	
	smss.exe	372 Servic		0	1,012 K	
	csrss.exe	524 Servic		0	5,068 K	
	csrss.exe	640 Consol	e	1	5,488 K	
				· ·		

12	Title	title <name></name>	To change Command prompt title name to given name
	RM2021		- D X
	C:\Users\user>title RM2021		
	C:\Users\user>		
13	Ver	ver	Operating system version will shown
	C:\Users\user>ver Microsoft Windows [Version 10.0.19042.804	+]	
14	Mkdir	Mkdir <filename></filename>	To create New File
	C:\Users\user>mkdir chary C:\Users\user>dir Volume in drive C has no label. Volume Serial Number is CA55-AEBF		
		Objects ary	
15	Rmdir	rmdir< filename>	To Remove File
	<pre>C:\Users\user>rmdir chary C:\Users\user></pre>		
16	Cd	cd <path></path>	To move to particular folder by using path
	C:\Users\user>cd Desktop\Program files\18	3_02_2021	
	C:\Users\user\Desktop\Program files\18_02	22021>	

17	Rename	Rename <file1name><file2name></file2name></file1name>	To rename the file., if there is a spaces in folder name, then give as string, otherwise no need to place in quotes
	E:\>rename "e data" e_data E:\>dir Volume in drive E has no label. Volume Serial Number is 28B3-0C30		
18	Del	del filename	To Deletethe file, not supports for folder delete.
	E:\SDP_RM2021>del file	s_copy.py	
19	Systeminfo	systeminfo	To see the total information of your system.
	E:\SDP_RM2021>Systeminfo Host Name: OS Name: OS Version: OS Manufacturer: OS Configuration: OS Build Type: Registered Owner: Registered Organization: Product ID: Original Install Date: System Boot Time: System Manufacturer:	DESKTOP-S7VJU50 Microsoft Windows 10 Pro 10.0.19042 N/A Build 19042 Microsoft Corporation Standalone Workstation Multiprocessor Free user by adguard 00331-10000-00001-AA493 20-Feb-21, 01:33:59 PM 22-Feb-21, 10:26:14 PM LENOVO	

20	Ipconfig	ipconfig	It will display ip address and subnet mask & default gateway			
	Command Prompt		− □ ;			
	C:\Users>ipconfig Windows IP Configuration Wireless LAN adapter Wi-Fi:					
	Connection-specific DNS Suffix Link-local IPv6 Address IPv4 Address Subnet Mask	: fe80::194:521:4d44:bd	da3%7			
21	Chkdsk	chkdsk	works in Administrator command prompt only, it gives disk files and memory,			
	Administrator: Command Prompt					
	C:\WINDOWS\system32>chkdsk The type of the file system is NTFS.					
	101887999 KB total disk space. 55615040 KB in 301212 files.					
	222440 KB in 94812 indexes. 0 KB in bad sectors. 525947 KB in use by the syste 65536 KB occupied by the log 45524572 KB available on disk.					
22	Format	format	to delete entire data in that location			



25	Net	net	used to update or fix a network or view its settings
	<pre>C:\>net HELP The syntax of this command is:</pre>		nts settings
	NET HELP command -or- NET command /HELP		
	Commands available are:		
	NET COMPUTER NET NET CONFIG NET NET CONTINUE NET NET FILE NET	RELPMSG NET STATISTICS OCALGROUP NET STOP PAUSE NET TIME SESSION NET USE SHARE NET USER START NET VIEW	
26	Help	Help <command name=""/>	To See All The Commands and syntax's of a command
	ASSOC Displays ATTRIB Displays BREAK Sets or BCDEDIT Sets pro CACLS Displays CALL Calls on CD Displays CHCP Displays CHDIR Displays CHKDSK Checks a	a specific command, type He or modifies file extension or changes file attributes lears extended CTRL+C check erties in boot database to or modifies access control batch program from another the name of or changes the or sets the active code pag the name of or changes the disk and displays a status or modifies the checking of	associations. king. control boot loading. lists (ACLs) of files. r. current directory. ge number. current directory. report.

27		Shutdown	Shutdown <option></option>	System will turned off, according to the given option
	C:\>shutdown			8-1-0-1-0
	Usage: shutdo	wn [/i /l /s /sg /	/r /g /a /p /h /e /o]	[/hybrid] [/soft] [/fw] [/f]
	[/m //com	puter][/t xxx][/d [p u:]xx	k:yy [/c comment]]	
	No args	Display help. This is th		
	<pre>/? Display help. This is the same as not typing any options.</pre>			
	/i Display the graphical user interface (GUI).			
	This must be the first option.			
	/1	Log off. This cannot be	used with /m or /d options.	
	/s	Shutdown the computer.		
	/sg	Shutdown the computer. (On the next boot, if Automatic Res	start Sign-On
	is enabled, automatically sign in and lock last interactive user.			ive user.
	After sign in, restart any registered applications.			
	/r	Full shutdown and restar	rt the computer.	
	/g		rt the computer. After the system	

To know the Registry command operation and command syntax:

	Command	Command usage	Description	
1	add REG ADD KeyName [{/v		Adds a new subkey or entry to the registry	
		ValueName /ve}] [/t Type] [/f]		
		•		
	<pre>C:\Windows\system32>reg add HKLM\SOFTWARE\phani /v appinfo /t REG_DWORD /d 1 The operation completed successfully.</pre>			
2	сору	REG COPY KeyName1 KeyName2 [/s] [/f]	Copies a registry entry to a specified location on a local or remote machine.	
	C:\Windows\system32>reg copy HKLM\SOFTWARE\phani1 HKLM\SOFTWARE\phani2 /s Value SOFTWARE\phani1\appinfo exists. Overwrite (Yes/No/All)? yes The operation completed successfully.			

3	delete	REG DELETE KeyName [{/v ValueName /ve /va}] [/f]	Deletes a subkey or entries.		
			INE\SOFTWARE\phani (Yes/No)? yes		
4	export	REG EXPORT KeyName FileName [/y]	Copies the specified subkeys, entries, and values of the local computer into a file for transfer to other servers.		
		2>reg export HKLM\SOFTWAR leted successfully.	E\phani1 c:/regkeybackup.reg		
5	Import	REG IMPORT FileName	Copies the contents of a file that contains exported registry subkeys, entries, and values into the registry of the local computer.		
6	restore	REG RESTORE KeyName FileName	Writes saved subkeys and entries back to the registry.		
	C:\Windows\system32>reg restore HKLM\SOFTWARE\phani1 c:/regkeybackup.reg The operation completed successfully.				
7	save	REG SAVE KeyName FileName [/y]	Saves a copy of specified subkeys, entries, and values of the registry in a specified file		
	C:\Windows\system32>reg save HKLM\SOFTWARE\phani1 c:/regkeybackup.reg File c:/regkeybackup.reg already exists. Overwrite (Yes/No)?yes The operation completed successfully.				

Service Commands

Command	Command usage	Description			
Config	sc config	Configures service startup and login accounts			
<pre>C:\Windows\system32>sc config DESCRIPTION:</pre>					
Continue	sc continue	Resumes a paused service			
C:\Windows\system32>sc continue DESCRIPTION: Sends a CONTINUE control request to a service. USAGE: sc <server> continue [service name]</server>					
	C:\Windows\system32>sc DESCRIPTION:	Config sc config C:\Windows\system32>sc config DESCRIPTION: Modifies a service entry in the registry USAGE: sc \(\server > \) config [service name] \(\coption \) OPTIONS: NOTE: The option name includes the equal sign. A space is required between the equal sign. A space is required between the equal sign for remove the dependency, use a single / type= \(\common \) To remove the dependency type a single / To remove the dependency type a singl			

3	Enumdepend	sc enumdepend	Lists the services that cannot run
			unless the specified service is
			running
4	qc	sc qc	Displays the configuration of a
			particular service configuration of a
			particular service
	C:\Windows\system32	>sc qc	
	DESCRIPTION:		
	Ougnies the	configuration inform	ation for a convice

Queries the configuration information for a service

USAGE:

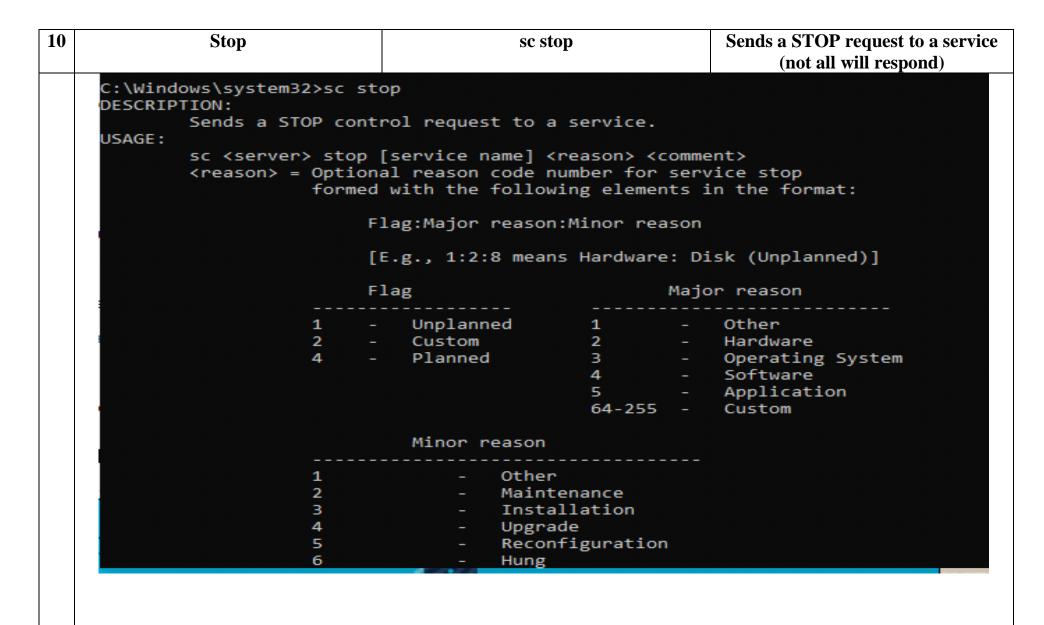
sc <server> qc [service name] <bufferSize>

C:\Windows\system32>

C:\Windows\system32>sc failure

5	Failure	sc failure	Specifies what action to take upon
			failure of the service

7	Pause	sc pause	Pauses a service
	USAGE:	m32>sc pause PAUSE control requ er> pause [service	
8	"AtherosSvc" Click ctrl+shift+Esc to "Open Task Manager and Select Open Services"	Sc query" AtherosSvc " "AtherosSvc is Service Name"	Displays information about the specified service, driver, type of service, or type of driver
	C:\Windows\system32>sc qu SERVICE_NAME: AtherosSvc	: 10 WIN32_OWN_PROCESS : 4 RUNNING (STOPPABLE, NOT_PAUSA : 0 (0x0)	ABLE, IGNORES_SHUTDOWN)
9	Start	sc start	Starts a service running
	JSAGE:	sc start vice running. start [service name] <a< th=""><th>arg1> <arg2></arg2></th></a<>	arg1> <arg2></arg2>

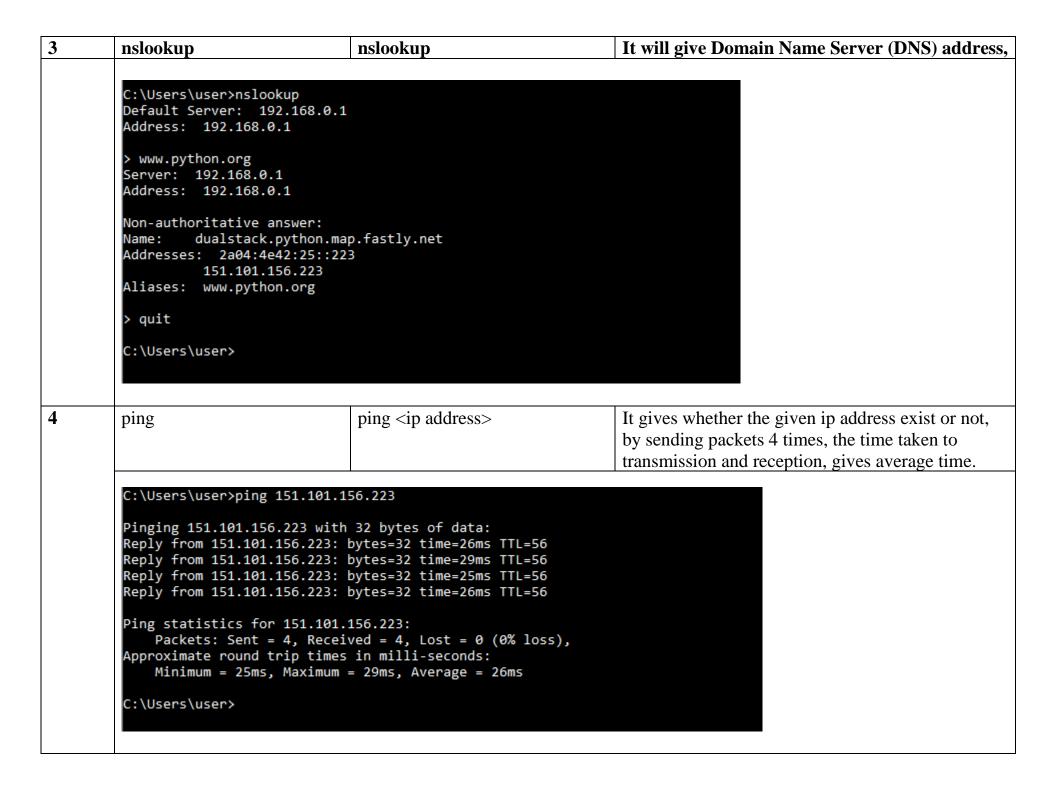


11	net start	net start	It shows a common service which is running on the system
	Base Filtering E Capability Acces Clipboard User S CNG Key Isolatio COM+ Event Syste Connected Device Connected Device	date Service nts Utility Helper Service rmation Infrastructure Serv ngine s Manager Service ervice_9dca1b n m s Platform Service s Platform User Serv xperiences and Telem er rvices ess Launcher on Service y Service ce Host ent Service ervice	ice ice_9dca1b
12	"Service_name"	NET STOP "Service_name"	It stops the specific service which is running on the system which is running on the system
13	sfc /scannow	sfc /scannow	It scan the system with files and folders

Network commands

s.no	Command	Command usage	Description			
1	Ipconfig	Ipconfig	It will display IP address			
	C:\Users\user>ipconfig					
	Windows IP Configuration					
	Ethernet adapter Ethernet:					
	Media State : Media disconnected Connection-specific DNS Suffix . :					
	Wireless LAN adapter Local Area Connection* 2:					
	Media State : Media disconnected Connection-specific DNS Suffix . :					
	Wireless LAN adapter Local Area Connection* 3:					
	Media State : Media disconnected Connection-specific DNS Suffix . :					
	Wireless LAN adapter Wi-Fi:					
	IPv4 Address Subnet Mask	IS Suffix . : is : fe80::194:521:4d44: : 192.168.0.101 : 255.255.255.0 : 192.168.0.1	bda3%7			

```
C:\Users\user>ipconfig /all
Windows IP Configuration
   Host Name . . . . . . . . . . . . . . DESKTOP-S7VJU50
   Primary Dns Suffix . . . . . . :
  IP Routing Enabled. . . . . . : No
  WINS Proxy Enabled. . . . . . : No
Ethernet adapter Ethernet:
   Media State . . . . . . . . . . . . . Media disconnected
  Connection-specific DNS Suffix .:
   Description . . . . . . . . . . Realtek PCIe GBE Family Controller
   Physical Address. . . . . . . : 50-7B-9D-47-E7-1B
  DHCP Enabled. . . . . . . . : Yes
   Autoconfiguration Enabled . . . . : Yes
Wireless LAN adapter Local Area Connection* 2:
   Media State . . . . . . . . . . . . . Media disconnected
   Connection-specific DNS Suffix .:
  Description . . . . . . . . . . . . . Microsoft Wi-Fi Direct Virtual Adapter
   Physical Address. . . . . . . . . . . . . . . 78-0C-B8-29-5E-6A
   DHCP Enabled. . . . . . . . . . Yes
   Autoconfiguration Enabled . . . . : Yes
Wireless LAN adapter Local Area Connection* 3:
  Media State . . . . . . . . . : Media disconnected
  Connection-specific DNS Suffix .:
   Description . . . . . . . . . . . . Microsoft Wi-Fi Direct Virtual Adapter #2
   Physical Address. . . . . . . . . . . . . . . . 7A-0C-B8-29-5E-69
  DHCP Enabled. . . . . . . . . . Yes
   Autoconfiguration Enabled . . . . : Yes
```



```
5
        tracert
                                     tracert <ip address>
                                                                     To provides, How much time & many
                                                                     hops/routers it travels to reach the destination
                                                                     ip address
        C:\Users\user>tracert 151.101.156.223
        Tracing route to 151.101.156.223 over a maximum of 30 hops
                                  3 ms 192.168.0.1 [192.168.0.1]
                1 ms
                         1 ms
                                  1 ms csp1.zte.com.cn [192.168.1.1]
                2 ms
                         1 ms
                                  2 ms 10.168.4.1 [10.168.4.1]
                3 ms
                         2 ms
                9 ms
                         9 ms
                                 10 ms 61.95.191.189
               27 ms
                        26 ms
                                 25 ms 182.79.247.162
                                 29 ms 182.79.247.161
               25 ms
                        26 ms
                        25 ms
                                 32 ms 182.79.141.180
               87 ms
                        26 ms
                                 26 ms 167.82.128.128
               48 ms
               27 ms
                        25 ms
                                 26 ms 151.101.156.223
        Trace complete.
        C:\Users\user>
```