**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 QC**

**SC FAILURE**

**SC PAUSE**

**SC QUERY “SERVICE NAME”**

**SC START**

**SC STOP**

**NET START**

**NET STOP “SERVICE NAME”**

**SFC/SCANNOW**

**Network commands**

* + **FTP**
  + **DNS**
    - **IPCONFIG**
    - **IPCONFIG /ALL**
    - **NSLOOKUP**
    - **PING**
    - **TRACERT**

**Memory**

**General windows commands:**

|  |  |  |  |
| --- | --- | --- | --- |
| **S.no** | **Command** | **Command usage** | **Description** |
| 1 | wmic logicaldisk get name | wmic logicaldisk get name | To display, available drives in system. |
|  | | |
| 2 | Drive name: | E: | To redirect to system drive E, similarly for remaining drives use drive name with column. |
|  | | |
| 3 | Dir | dir | To know, what are the folders in that particular Drive. |
|  | | |
| 4 | cd folder name | cd <Folder name> | To go into the file in that particular drive |
|  | | |
| 5 | cd ..&cd ../.. | cd .. | To close the opened file & moving to previous folder |
|  | | |
| 6 | Cls | cls | To clear the command prompt |
| 7 | Date | date | To view date and we can change the date |
|  | | |
| 8 | Time | time | We can see the time and we can modify |
|  | | |
| 9 | Cmd | cmd | To open/restart command prompt freshly |
|  | | |
| 10 | Hostname | hostname | Pc name will shown |
|  | | |
| 11 | Tasklist | tasklist | To see running applications in your pc |
|  | | |
| 12 | Title | title <name> | To change Command prompt title name to given name |
|  | | |
| 13 | Ver | ver | Operating system version will shown |
|  | | |
| 14 | Mkdir | Mkdir<Filename> | To create New File |
|  | | |
| 15 | Rmdir | rmdir< filename> | To Remove File |
|  | | |
| 16 | Cd | cd <path> | To move to particular folder by using path |
|  | | |
| 17 | Rename | Rename <file1name><file2name> | To rename the file., if there is a spaces in folder name, then give as string, otherwise no need to place in quotes |
|  | | |
| 18 | Del | del filename | To Deletethe file, not supports for folder delete. |
|  | | |
| 19 | Systeminfo | systeminfo | To see the total information of your system. |
|  | | |
| 20 | Ipconfig | ipconfig | It will display ip address and subnet mask & default gateway |
| E:\SDP_RM2021\project\4_ip_config.png | | |
| 21 | Chkdsk | chkdsk | works in Administrator command prompt only , it gives disk files and memory, |
|  | | |
| 22 | Format | format | to delete entire data in that location |
|  | | |
| 23 | Ping | ping | It is primary TCP/IP command to troubleshoot connectivity, reachability. |
|  | | |
| 24 | Attrib | Attrib< action > | Used to remove & set files attributes(hidden,read-only,system archive ). Attributes provides security to software programs. |
|  | | |
| 25 | Net | net | used to update or fix a network or view its settings |
|  | | |
| 26 | Help | Help <command name> | To See All The Commands and syntax’s of a command |
|  | | |
| 27 | Shutdown | Shutdown <option> | System will turned off, according to the given option |
|  | | |

**To know the Registry command operation and command syntax:**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Command** | **Command usage** | **Description** |
| **1** | **add** | **REG ADD KeyName [{/v ValueName | /ve}] [/t Type] [/f]** | **Adds a new subkey or entry to the registry** |
|  |  | | |
| **2** | **copy** | **REG COPY KeyName1 KeyName2 [/s] [/f]** | **Copies a registry entry to a specified location on a local or remote machine.** |
|  |  | | |
| **3** | **delete** | **REG DELETE KeyName [{/v ValueName | /ve | /va}] [/f]** | **Deletes a subkey or entries.** |
|  | **C:\Users\Lenovo\Desktop\deleted reg.JPG** | | |
| **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.** |
|  |  | | |
| **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.** |
|  |  | | |
| **7** | **save** | **REG SAVE KeyName FileName [/y]** | **Saves a copy of specified subkeys, entries, and values of the registry in a specified file** |
|  |  | | |

**Service Commands**

|  |  |  |  |
| --- | --- | --- | --- |
| s.no | Command | Command usage | Description |
| **1** | **Config** | **sc config** | **Configures service startup and login accounts** |
|  | | |
| **2**  **2** | **Continue** | **sc continue** | **Resumes a paused service** |
|  | | |
| **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** |
|  |  | | |
| **5** | **Failure** | **sc failure** | **Specifies what action to take upon failure of the service** |
|  |  | | |
| **7** | **Pause** | **sc pause** | **Pauses a 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** |
|  |  | | |
| **9** | **Start** | **sc start** | **Starts a service running** |
|  |  | | |
| **10** | **Stop** | **sc stop** | **Sends a STOP request to a service (not all will respond)** |
|  |  | | |
| **11** | **net start** | **net start** | **It shows a common service which is running on the system** |
|  |  | | |
| **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** |
|  |  | | |
| **2** | **Ipconfig all** | **Ipconfig all** | **It will display all the windows ip cinfigurations**   * + **Host name**   + **Mac / physical address.** |
| **E:\SDP_RM2021\project\4_ip_config_all.png** | | |
|  | | |
| **3** | **nslookup** | **nslookup** | **It will give Domain Name Server (DNS) address,** |
|  |  | | |
| **4** | ping | ping <ip address> | It gives whether the given ip address exist or not, by sending packets 4 times, the time taken to transmission and reception, gives average time. |
|  | | |
| **5** | **tracert** | **tracert <ip address>** | **To provides, How much time & many hops/routers it travels to reach the destination ip address** |
|  | | |