**Basic Windows Commands**

| **COMMANDS** | **DESCRIPTION** |
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| systeminfo | Display the information of computer name, OS version, OS installation date, BIOS version, Windows Directory, Size of memory, Network Card Information. |
| ping | Used to verify that a computer can communicate over the network with another computer or network device. |
| tracert | Used to determine the path of a remote system. This tool also provides the number of hops and the IP address of each hop. |
| nslookup | Used to query the DNS to diagnose domain name and the IP address resolutions, this tool is also available on other Operating Systems. |
| netstat | Provide information and statistics about protocols in use and current TCP/IP network connections. |
| netstat -an | Display a list of all open network connections on their computer. |
| arp | Used to change and view the ARP(Address Resolution Protocol) table which contains the mapping between IP address and MAC address. |
| hostname | Display the Computer Name. |
| ipconfig | Display the TCP/IP configuration of the computer. |
| ipconfig /all | Display the same information as ipconfig with the addition of your MAC address, DNS and DHCP server addresses, IP lease information. |
| ipconfig /release | For Release the current IP configuration of PC. |
| ipconfig /renew | To renew the IP configuration. |
| ipconfig /? | Display all IP config commands. |
| ipconfig /flushdns | To ensure window is getting addresses from new DNS servers instead of using old, cached entries, run the ipconfig/flushdns command after changing your DNS server. |
| pathping | Combine the functions of traceroute and ping to identify problems at a router or a network link. |
| getmac | MAC address of connected device in network. |
| tasklist | Display the current running applications on the computer. |
| taskkill | End/Close a particular running application. |
| shutdown -s | Shutdown the computer using the command line. |
| shutdown -r | Restart the computer using the command line. |
| shutdown -s -t time | Set the automated shutdown timer.  example: shutdown -s -t 3600 means 60 min |
| shutdown -i | Shutdown the remote computers which are in a network. |
| ver | Displays the OS version of the computer. |
| chkdsk | Run the check disk utility. |
| finger | Used to retrieve information about a user on a network. |
| sfc/scannow | Run system file checker tool that scans Windows system files and looks for problems. If some files are missing or corrupted, this command fixes them. |
| mkdir | Create folder/directory |
| convert | Used to convert FAT or FAT32 formatted volumes to NTFS format. |
| where | Used to search for files that match a specified pattern. |