Week 2 Command Reference

You are required to hand-write the following command reference in your **green notebook.** This will help you during lab activities and will be checked at the start of class.

Note: These commands are to be run on Windows OS only

Commands/Terms	Description
ncpa.cpl	GUI shortcut to enable/disable NICS (network interface card)
ipconfig	Displays basic IP information (IP address, subnet mask, default gateway).
ipconfig /all	Displays detailed IP configuration (MAC address, DNS, DHCP info, all adapters).
ipconfig /release	Releases the current IP address (when using DHCP)
ipconfig /renew	Requests a new IP address from the DHCP server
ping <IP/Hostname>	Tests connectivity to another device or server.
IP Address (Internet Protocol Address)	A unique number assigned to each device on a network.
Subnet Mask	is a number that defines which portion of an IP address identifies **the network** and which portion identifies **the host**.

Default Gateway/Router	The IP address of the **router** that forwards traffic when the destination is **outside the local network**.
DHCP (Dynamic Host Configuration Protocol)	A protocol that automatically assigns IP addresses, subnet masks, gateways, and DNS info to devices on a network.
DNS (Domain Name Server)	A system that translates website names into IP addresses so devices can find and connect to each other on the internet.

0 % 0 of 1 topics complete

Week 2 Command Reference ●

Checklist

🕐 Due September 12 at 11:59 PM   🕐 Starts Sep 5, 2025 9:00 PM

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