Day 20

Topic: Shell Scripting

Objective: To use Bash scripting for automating Linux administration and reconnaissance tasks.

Theoretical Concepts:
Bash scripting allows us to chain Linux commands together. We learned about Shebang (#!), variables, if-else statements, and loops in Bash.

Practical Work:
We wrote a bash script named *pingsweep.sh*. The script took a network range (e.g., 192.168.1) as input and looped through IPs 1-254, pinging each one. It outputted a clean list of only the active hosts. This automated the manual ping process we did on Day 1.

Tools Used: Bash Shell, Nano Editor.

Outcome: Ability to automate repetitive terminal tasks using shell scripts.