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| * This is an individual assignment and worth 20 points. * The due date is Saturday, October 1, midnight. * Please zoom in on the outputs. * Use the accompanying output document to report your results. * Follow the naming convention. * YOU ARE NOT ALLOWED TO DO THIS DURING THE CLASS. |

# Homework 3: Attacks on TCP/IP

## Task 1. Performing a Ping Sweeping

* Take a screenshot of the Nmap scan report. The screenshot must include the command you used.

Text

Description automatically generated

## Task 2. Performing a Port Scanning

* Take a screenshot of the scan report. The screenshot must include the command you used.

Text

Description automatically generated

**Task 3. Complete Task 1 of the Labtainer tcpip (SYN flooding attack)**

* Display a screenshot of the attacker. You must include the command you used for the attack.

Text

Description automatically generated

* Display a screenshot of the Wireshark that shows the captured packets.

Graphical user interface, text

Description automatically generated

**Task 4. Complete Task 2 of Labtainer tcpip (TCP RST attacks on telnet connections)**

* Display a screenshot of the attacker. You must include the command you used for the attack.

Text

Description automatically generated

* Display a screenshot of the client. The screenshot must include the entire screen of the telnet session on the client.

Text

Description automatically generated

## Task 5. Complete Task 3 (TCP session hijacking)—Optional

* Display a screenshot of the attacker. You must include the command you used for the attack.
* Display a screenshot of the server. Show that the text file is deleted after the attack.