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CYB 230 Module Three Lab Worksheet

Complete this worksheet by replacing the bracketed phrases in the Response column with the relevant information.

Lab: Basic Network Configuration

Prompt	Response

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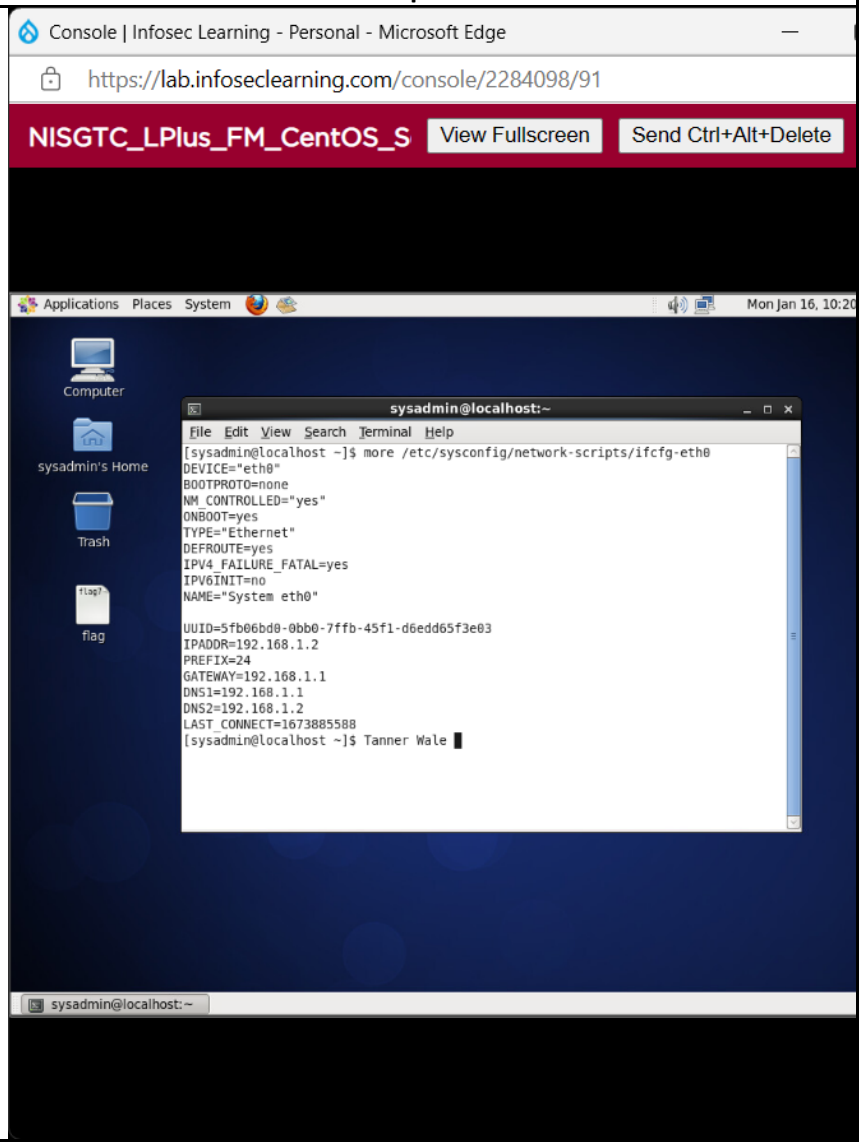
Prompt	Response
In the lab section “Configuring a Centos Network Interface Manually With the Networkmanager Service,” **Step 9**, insert your name at the command line below the output and include it in your screenshot.	

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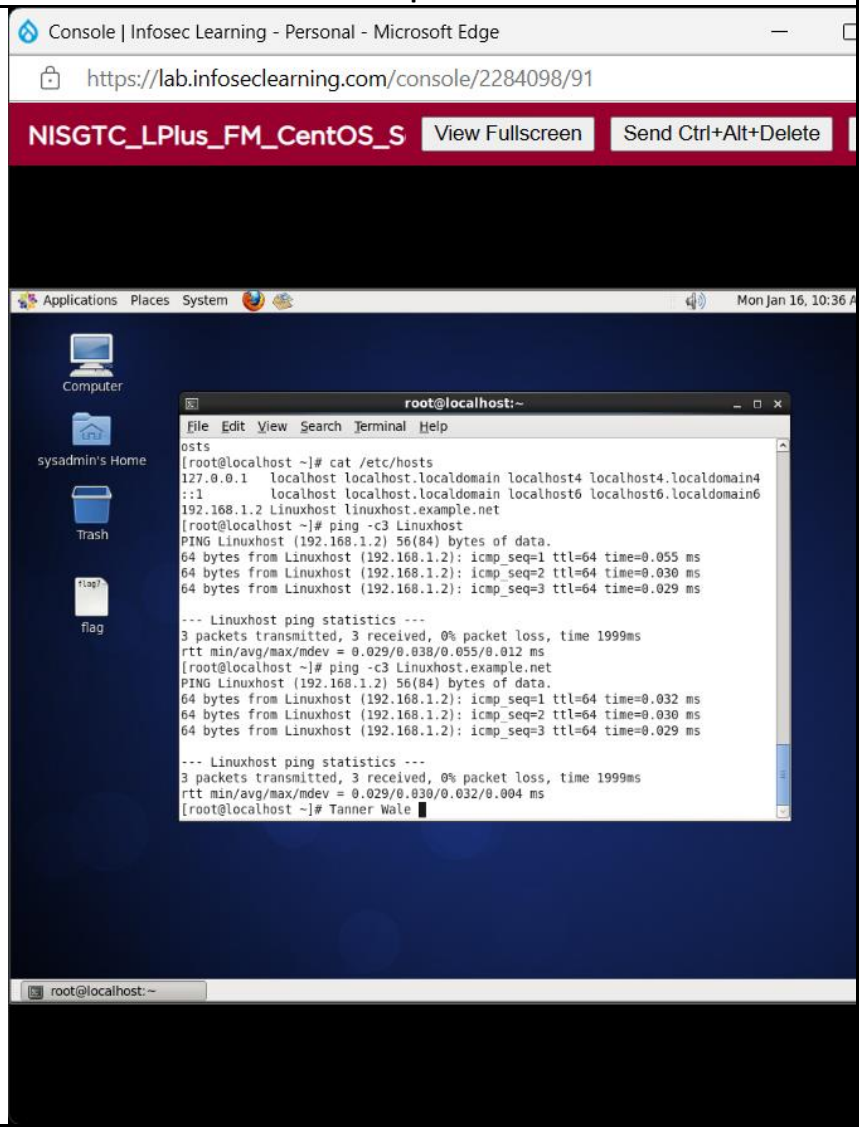
Prompt	Response
In the lab section “Configuring a Centos Network Interface Manually With the Network Service,” **Step 14**, insert your name at the command line below the output and include it in your screenshot.	

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Prompt	Response
At the end of **Step 19** in "Configuring a Centos Network Interface Manually With the Network Service," you are asked to resolve the addresses for three different names that all result in the same IP address. Which version would you find most useful? Explain why.	I would find the domain name most useful. This is because I am more likely to remember the name of the website and less likely to remember the IP address of the website. A fitting example of this is Google.com, most people just type Google.com instead of 8.8.8.8 or 8.8.4.4.

Lab: Network Security—Firewalls

Prompt	Response

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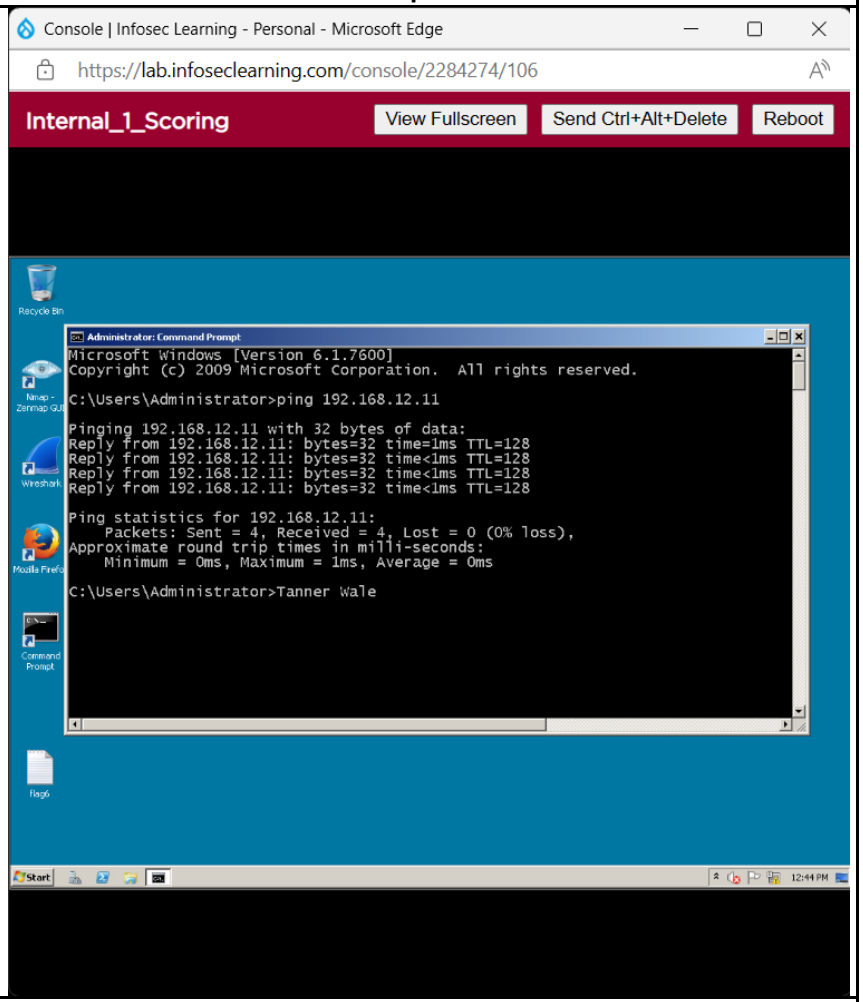
Prompt	Response
In the lab section “Configure Windows Firewall With Advanced Security Using Administrative Tools,” **Step 12**, insert your name at the command line below the output and include it in your screenshot.	
Explain why it is not necessary to create an inbound rule on the internal 192.168.12.10 Windows server so that it can receive the response (ICMP echo reply) from the internal 192.168.12.11 Windows server.	The computers are both on the same internal network and already had the firewall on Windows server 192.168.12.11 put in place for communication between 192.168.12.10 Windows server. Therefore, because the servers are on the same internal network the inbound traffic is not protected from an outside external threat and is useless in protection and communication for the 192.168.12.10 windows server.

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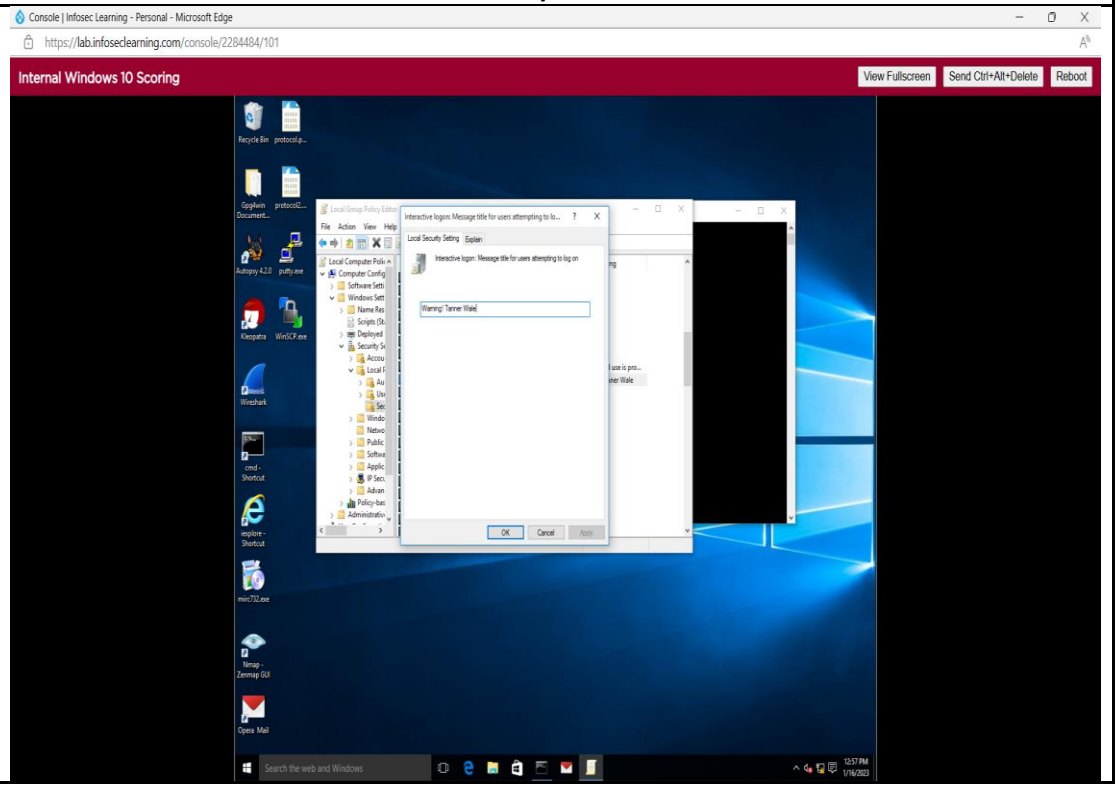
Prompt	Response
Explain the advantages and disadvantages of having the firewall disabled at startup in the Linux operating system.	The disadvantages of having a firewall disabled at startup for a Linux system are leaving in vulnerable to viruses to infect interconnected devices and possibility to let threat actors activate malicious code remotely. The advantages of having a firewall disabled at startup for a Linux system are that you have complete access to your system and there are no security checks. This option should only be used if you are on a trusted network.

Lab: Implementing Security Policies on Windows and Linux

Prompt	Response
In the lab section “Securing the Windows Logon Process,” **Step 17**, modify “Warning!” to “Warning - [YOUR NAME]”. Provide a screenshot of the output of **Step 19**.	

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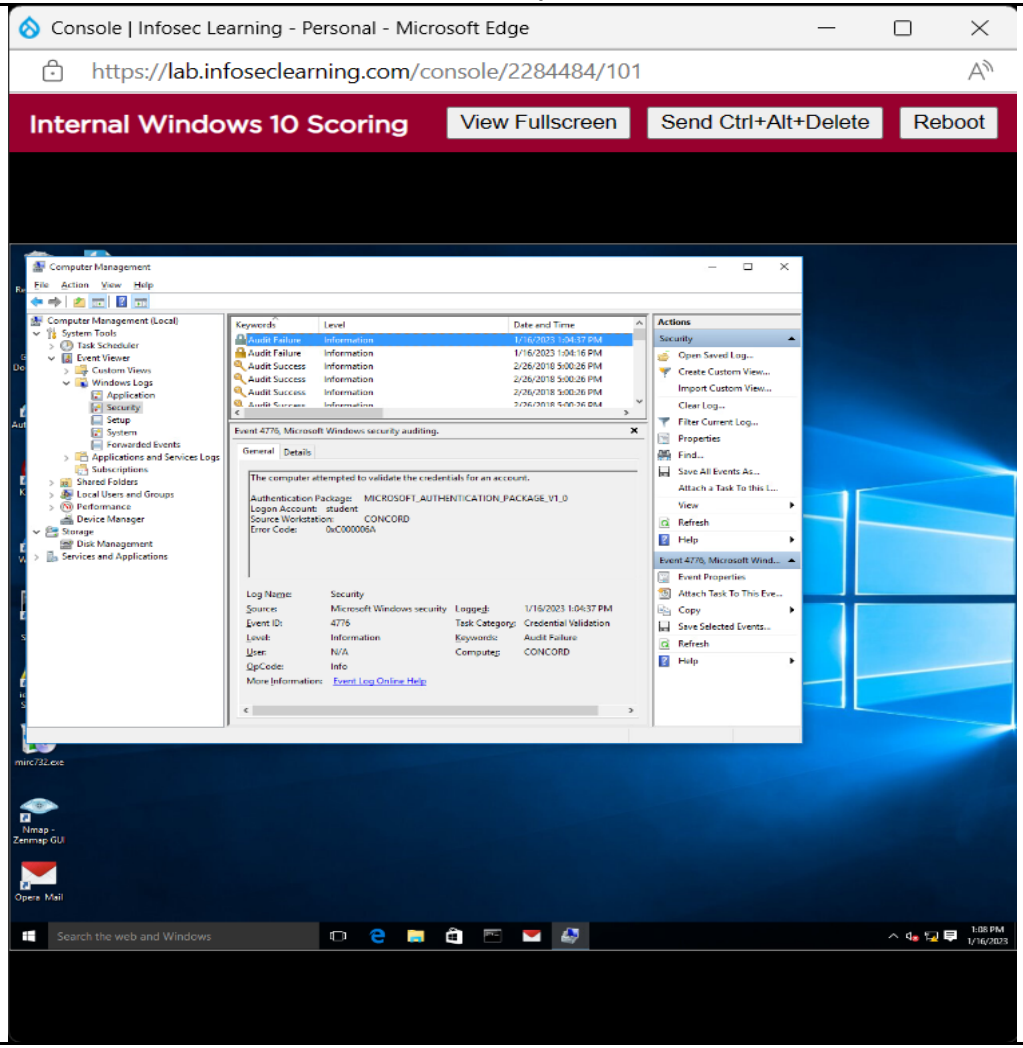
Prompt	Response
In the lab section “Auditing Logon Failures,” **Step 23**, provide a screenshot of the output.	

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Prompt	Response
What is the importance of automating system checks and log file creation for server management?	Businesses today have a lot of functions needed to compete as they need a website and security checking on credit cards for purchases to get out for delivery to customers like Amazon. One way this can be successfully ensured is by their computer systems performing at their optimum level to meet the demands of their business. Log files checks errors reports, file requests, and file transfers. The importance of automating system checks is reducing redundancy of manual server management by increasing efficiency and effectiveness.