**LAB 4**

Instruction: Please screen capture and show step by step for each activities

Activity 1: Write-protecting and Disabling a USB flash drive

Malware can easily be spread from one computer to another by infected flash drives. One of the methods for blocking a USB drive is to use third-party software that can control USB device permissions. In this project, you will download and install a software-based USB write blocker to prevent data from being written to a USB device.

Lab Steps:

1. Open your Web browser and enter the URL https://www.irongeek.com/i.php?page=security/thumbscrew-software-usb-write-blocker
2. Click **Download Thumbscrew**.
3. When the File Download dialog box appears, click **Save** and follow the instructions to save this file in a location such as your desktop or a folder designated by your instructor. When the file finishes downloading, click **Open** and extract the files in a location such as your desktop or a folder designated by your instructor. Navigate to that location and double-click **Thumbscrew.exe** and follow the default installation procedures.
4. After installation, notice that a new icon appears in the system tray in the lower-right corner of the screen.
5. Insert a USB flash drive into the computer.
6. Navigate to a document on the computer.
7. Right-click the document and then select **Send To**.
8. Click the appropriate **Removable Disk** icon of the USB flash drive to copy the file to the flash drive.
9. Now make the USB flash drive write protected so it cannot be written to. Click the icon in the system tray.
10. Click **Make the USB read only**. Notice that a red circle now appears over the icon to indicate that the flash drive is write protected.
11. Eject USB flash and insert it back
12. Navigate to a document on the computer.

13. Right-click the document and then select **Send To**.
14. Click the appropriate Removable Disk icon of the USB flash drive to copy the file to the flash drive. What happens?
15. Close all windows

Activity 2: Scan Malware using Microsoft Safety Scanner

In this project, you will download and install the Microsoft Safety Scanner to find and remove malware from Windows computers.

Lab Steps:

1. Open your Web browser and enter the URL https://docs.microsoft.com/en-us/windows/security/threat-protection/intelligence/safety-scanner-download.
2. Download Microsoft Safety Scanner (64-bit)
3. Choose fast scan
4. Click finish
5. Review the scan results displayed on screen. For detailed detection results, view the log at C:\Windows\Debug\msert.log
6. Explain the summary result
7. Close all windows.

Activity 3: Use a Software Keylogger

A keylogger program captures everything that a user enters on a computer keyboard. In this project, you will download and use a software keylogger.

Lab Steps:

1. Open your Web browser and enter the URL: https://www.spyrix.com/en/download.php
2. Click direct Download
3. When the File Download dialog box appears, click Save and follow the instructions to save this file in a location such as your desktop or a folder designated by your instructor. When the file finishes downloading, click Run and follow the default installation procedures.
4. Explore all event log provided by Spyrix Keylogger (Screen capture and explain for each function provided)
5. Go to Spyrix Keylogger online monitoring URL: https://dashboard.spyrix.com/#/login
6. Explore Spyrix Keylogger online monitoring Keylogger (Screen capture and explain each function provided)