**OPS102 – Week 1 - Sample Lab**

We’re surrounded by computers! Let’s find out what operating systems they are running. To perform this lab, you’ll need to do some investigation and research.

1. **Laptop/Desktop Computer**  
   Select your laptop or desktop computer, or a Seneca desktop in a lab or computing commons.  
   1. What operating system is this computer running?

-Microsoft Windows 10 Pro

* 1. What version of that operating system?

-22H2

* 1. What build or update of that version?

-10.0.19045.3324

* 1. Is this primarily a proprietary or open-source operating system?

-Windows 10 is a proprietary operating system.

* 1. Identify at least one piece of open-source software that forms part of that operating system. What is the name of that software?   
     -Windows Subsystem for Linus (WSL)  
      It lets you run Linux on Windows.  
       
     Under which open-source license is that software provided?  
     -WSL is provided under the General Public License (GPL).
  2. When was the version released?   
     -22H2 was released Fall of 2022
  3. When is support for that version of the operating system scheduled to end?  
     -Services for 22H2 will end Fall 2025
  4. How do you access the GUI of that operating system? How do you access the CLI?  
       
     GUI: Simply by starting the computer and logging into the windows  
       
     CLI: CLI can be accessed with Window’s CMD or PowerShell

1. **Consumer Electronics Device**  
   Select a consumer electronics device that you own, such as a smartphone, TV, streaming media player, or router. If you don’t own a suitable device, research one that you would like to own!  
   1. What is the device brand, name, and model?

-Apple iPhone 11 Pro

* 1. What operating system is it running?

-iOS

* 1. What version of that operating system?

-IOS 16

* 1. What build or update of that version?

-16.6

* 1. Is this primarily a proprietary or open-source operating system?

-IOS is primarily a proprietary operating system.

* 1. Identify at least one piece of open-source software that forms part of that operating system. What is the name of that software?

-One example is Darwin OS which includes XNU kernel

* 1. Under which open-source license is that software provided?

-Apple Public Source License

* 1. How can you obtain the source code for the open-source portions of the operating system?

-Apples open-source website, opensource.apple.com