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| *2023* |
| LAB 12 |
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| 4/11/2023 |
| Mr. loveday – PC Setup and Maintenance |
| East Tennessee State University |

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Purpose:

The purpose of this lab was to demonstrate using the command line for purposes such as troubleshooting.

Materials:

* Command window
* Windows
* Lab machine

Procedures and Results:

We started our lab by analyzing our section and ensuring we had all our necessary materials. These included: our lab machine, windows being installed and functioning correctly, and having access to the command line. After going through our check list, we were ready to start troubleshooting using the command line.

Through this lab we did several simple command line commands to test our network connection and other resources on the machine. One of these for example was IPCONFIG, when this command was entered into our command line we received a list of information. This list showed the machines IP\_v4 addresses, the IP\_v6 addresses, our subnet masks, and the DNS server IP. This was a list of our Windows IP configuration. Another command was the ping command to check the connection we had. Since our machines were not connected to the internet we had to target another local IP and see if we could connect. After being given the IP we were able to hit off the connection and see that our LAN was functioning.

Data or Observations:

* This lab wasn’t very complicated and could be expanded as well with different commands to interact with or pairing it with another tool such as wireshark.