HWD101: Lab #7

IP Addressing

Purpose:

Using Packet Tracer, familiarize yourself with IP addressing and networking components.

Pre-Lab:

Watch video on Packet Tracer.

* [Packet Tracer](https://www.lynda.com/Cisco-Routers-tutorials/Packet-Tracer/674597/722495-4.html?org=senecacollege.ca)

Activity:

Create a network using a Switch [Model 2960] and 2 computers. Choose a number between 1 and 10 for both ? ?

* IP address: example: 192.168.?.? / 24

Assign a HOST# of “0”. Did this work? Explain.

Assign a HOST# of “255”. Did this work? Explain.

Correct the issue and demonstrate the 2 computers can PING each other.

Create the same network but use a crossover cable instead of a switch.

* What type of cable is used to connect 2 PCs together?
* What type of cable is used to connect a PC to a switch?
* What type of cable is used to connect a switch to a router?
* What type of cable is used to connect a router to a router?
* What is an advantage of using a switch instead of a crossover cable?
* What is a disadvantage of using a switch instead of a crossover cable?

Submission Instructions:

* Questions Completed
* Demonstration Completed
* Lab signed off

Grade Weight:

1% of Final Grade