Module 4 Project

Title: Home Network Device Inventory

Objective

This assignment will help you practice identifying and mapping out devices on a network by creating an inventory of the devices connected to your home network. You'll gather information like device type, IP address, and MAC address to create a list that provides a clear view of your network.

Instructions:

Identify All Devices on Your Network:

Connect to your home Wi-Fi network and identify all devices currently connected. Most home routers have an option to view connected devices in the settings (usually accessible through a browser by entering your router's IP address, such as 192.168.1.1).

Gather Device Information:

For each device on your network, document the following details:

- Device Type (e.g., laptop, smartphone, smart TV)
- MAC Address (unique identifier for the device's network interface)
- IPv4 Address (local IP address assigned by the router, such as 192.168.1.2)
- Device Purpose (what the device is used for, e.g., personal, work, entertainment)

Create a Device Inventory List:

Organize your information in a list or table format. You can use a spreadsheet or document for this. For example:

Device Type	MAC Address	IPv4 Address	Device Purpose
Laptop	AA:BB:CC:DD:EE:FF	192.168.1.2	Personal
Smartphone	AA:BB:CC:DD:EE:FF	192.168.1.3	Work
Smart TV	AA:BB:CC:DD:EE:FF	192.168.1.4	Entertainment

Submit Your Inventory:

Upload your completed inventory list to Google Classroom.

In your Disco channel, share one insight you gained from this activity, such as a device you didn't expect to find or any security concerns you noticed.