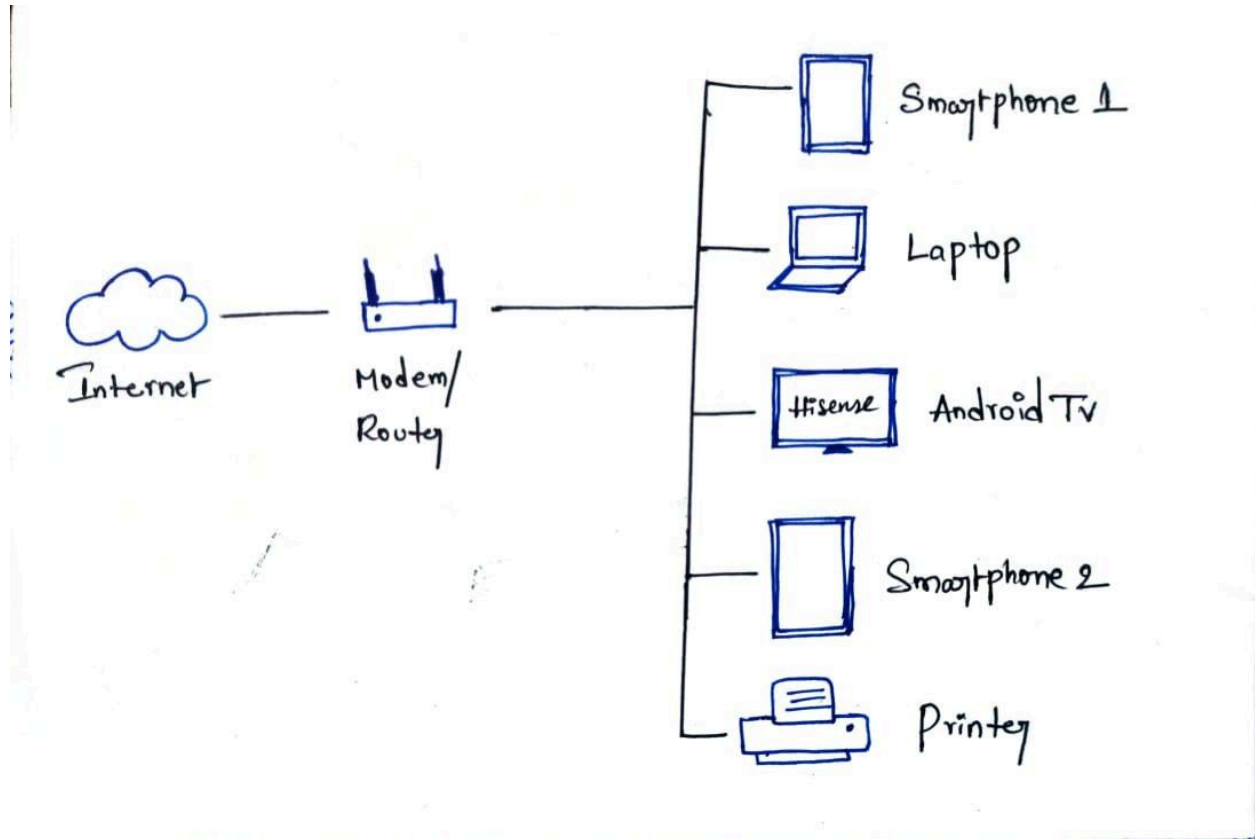Assignment 2: **Draw your Home Network Topology and explain how you are accessing the RPS Lab environment.**

HOME NETWORK TOPOLOGY:

1. **Modem:** Connects to the ISP (Internet Service Provider) and provides internet access.
2. **Router:** Distributes the internet connection to various devices within the home network.
3. **Devices:** Examples include a laptop, desktop, and smartphones connected to the router either via Wi-Fi or Ethernet.

Accessing the RPS Lab Environment

To access the RPS Lab environment from your home network:

1. **Connect to the Internet**: Your PC or laptop connects to the Internet via the router.
2. **VPN (Virtual Private Network)**: Often, accessing a remote lab environment securely requires using a VPN. This ensures that your connection to the RPS Lab environment is encrypted and secure.

3. **RPS Lab Environment**: Once connected to the VPN, you can access the RPS Lab environment. This might be through a web interface, remote desktop, or other remote access software.

Here's a step-by-step process:

1. **Connect to your router**: Make sure your PC/laptop is connected to your home network.
2. **Open VPN Software**: Launch the VPN software provided by your institution or organization that gives you access to the RPS Lab environment.
3. **Login to VPN**: Enter your credentials to establish a secure connection.
4. **Access RPS Lab**: Once the VPN is connected, use the provided URL, remote desktop client, or specific software to access the RPS Lab environment.