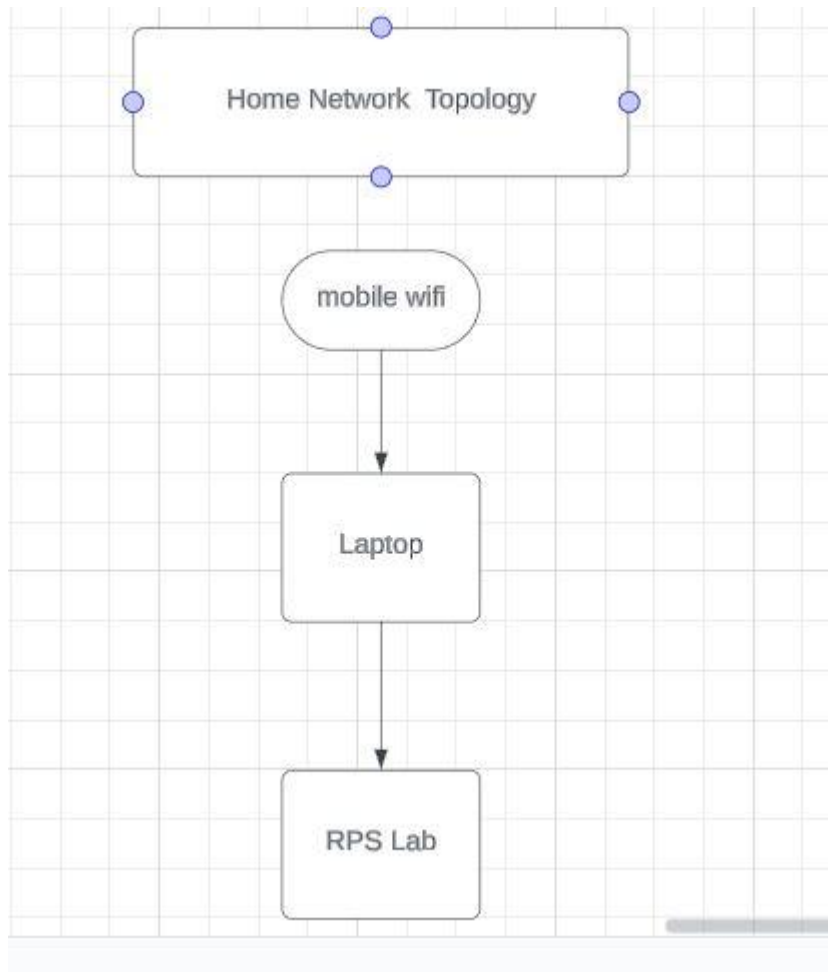


Assignment 1: Draw your Home Network Topology and explain how you are accessing the RPS Lab environment.

Ans:



In this setup, you're accessing your home network and the RPS Lab environment via your phone's Wi-Fi hotspot. Here's how it works:

1. Phone Wi-Fi Hotspot: enable the Wi-Fi hotspot feature on phone, turning it into a portable Wi-Fi access point.
2. Internet Gateway/Router: phone's hotspot acts as the connection point to the internet. It serves as the gateway/router for devices connected to it.
3. Laptop: laptop connects to the phone's Wi-Fi hotspot, allowing you to access the internet and your home network.
4. RPS Lab Environment: Similarly, i can access the RPS Lab environment through your laptop or PC while connected to your phone's Wi-Fi hotspot. i would use secure remote access methods like SSH or VPN to connect to the lab environment, just as you would on a regular home network.