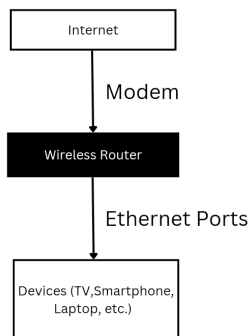<u>Assignment</u> - 2

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

Home network topology diagram:


```
┌─────────────────┐
│    Internet     │
└─────────────────┘
         │
       Modem
┌─────────────────┐
│ Wireless Router │
└─────────────────┘
         │
   Ethernet Ports
┌─────────────────┐
│ Devices (TV,Smartphone, │
│    Laptop, etc.)        │
└─────────────────┘
```

To access the RPS Lab environment, I would follow these steps:

1. **Connect to the Internet :** First, I would connect to the internet through my ISP (Internet Service Provider) using a modem.

2. **Wireless Router:** The modem would translate the internet signal and send it to a wireless router, which would broadcast the signal wirelessly to all devices in the home network.

3. **Ethernet Ports :** Devices like laptops and desktops would connect to the wireless router using Ethernet cables.

4. **Accessing the RPS Lab :** To access the RPS Lab environment, I would need to connect to the RPS network using a VPN (Virtual Private Network) or a secure connection. This would ensure that my data is encrypted and secure while accessing the lab environment.