**Assignment1:** Draw your home network topology and explain how you are accessing RPS Lab environment.

**Answer.**

**Device 3**

**Device 1**

**WI-FI**

**Router(HUB)**

**Device 2**

**Block diagram of my home network Topology**

* My home network is in star topology.

**Star Topology :**

In star topology all device are connected to a single hub through a cable or wirelessly. The hub is central node and all are connected to central node.

**Example**: In my home network Wi-Fi router is acting as a central node and all devices are connected to Wi-Fi i.e. central node.

**My Device**

**(PC)**

**RPS Virtual machine**

**Service Provider Network**

**FIRE WALL**

**WI-FI**

**Router**

**Block diagram of my home network accessing RPS Environment**

**Description**

* My device is connected to Wi-Fi which is acting as a node and providing communication and data transfer.
* This whole system form Network. Where node is my Wi-Fi router and the connected device are computers.
* The protocol used over here to transmit over a network is https.
* The topology used is **point-to-point topology**.

**Conclusion**

Our pc communicates with the Wi-Fi which is a node and which further connected with service provider network and connects with the RPS machine. The network is in Point-To-Point topology and data transmission over the network is https method.

**References**

* Basic of computer networking (geeks for geeks).
* Basic of network Topologies (geeks for geeks )