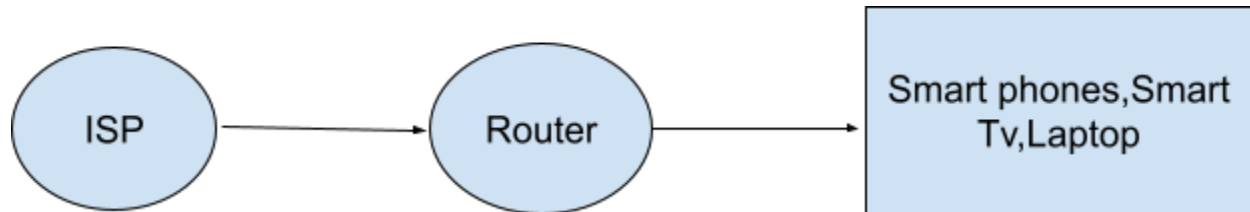


Assignment 1: Draw Home Network Topology and explain how you are accessing the RPS Lab environment



ISP : Internet Service Provider provides connectivity to home.

Router: This device connects to the internet and manages the traffic between home network and wider internet

Smart phones,TV,Laptop: These are devices connected to the internet which are used for different purposes.

Assignment 2: identify a real-world application for both parallel computing and networked systems. Explain how these technologies are used and why they are important in that context.

Parallel computing Systems: It is the use of multiple processing elements simultaneously to solve any problem. Problems are broken down into instructions and are solved concurrently as each resource that has been applied to work is working at the same time.

Advantages:

- 1.It saves time and money.
- 2.It will solve large problems easily

Networked Systems: The purpose of the network system is to enable communication between the users and devices. Network systems consist of the hardware devices such as routers, computers, cables and software devices such as network protocols and operating systems.

Advantages:

- 1.Communicate easily.
- 2.It leads to cost saving.

real-world application for both parallel computing and networked systems: