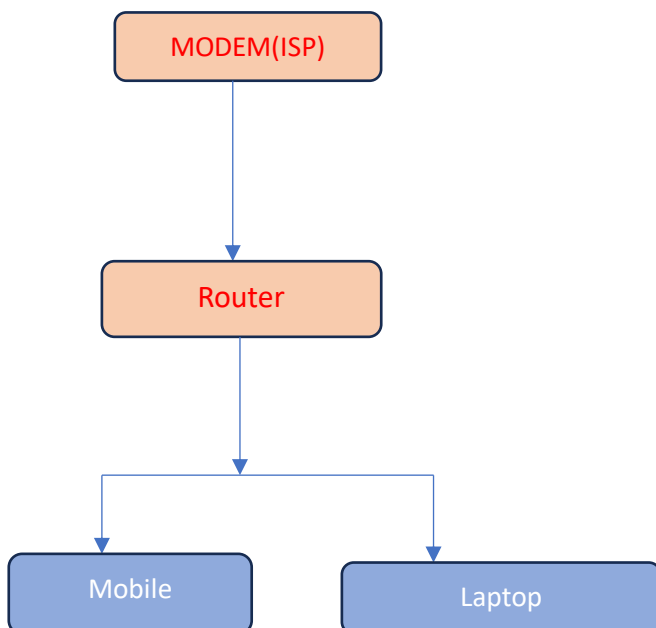**Day-1 Assessent:**

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

Accessing the RPS Lab Environment:

1 . First of all , I connect my laptop to broadband.

2 . Open any browser , type RPS Cloud Lab URL in search box and hit enter.

3 . RPS cloud lab URL will get opened and ask User_Id and Password of the client.

4 . we provide our correct credential for Authentication.

5. RPS cloud lab server will match our credential , if our credential will correct then allow us for login.

6. After that we are able to access Remote Desktop.

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: Video player software is an example of Parallel Computing. Video player Software runs audio, video, seeking , pausing , buffering Simultaneously .

video player software demonstrate the use of parallel computing techniques to enhance performance, efficiency, and overall playback management. This optimization is crucial for delivering a seamless multimedia experience across various devices and media formats

Networked System: Online Banking System is an example of networked System. In online Banking System multiple branches of the same bank worked in network and all system of banks are interconnected to each other to maintain user transaction details such as Credit , Deposit, Transfer etc.

Networked systems are essential in online banking system to provide secure, efficient, and real-time access to financial services, enhancing user experience and operational efficiency.