Assignment - 1

Home Network Topology.

Mobile

Laptop

ISP modem
192.168.0.1

RPS Lab

Router
192.168.10.254

Smart TV
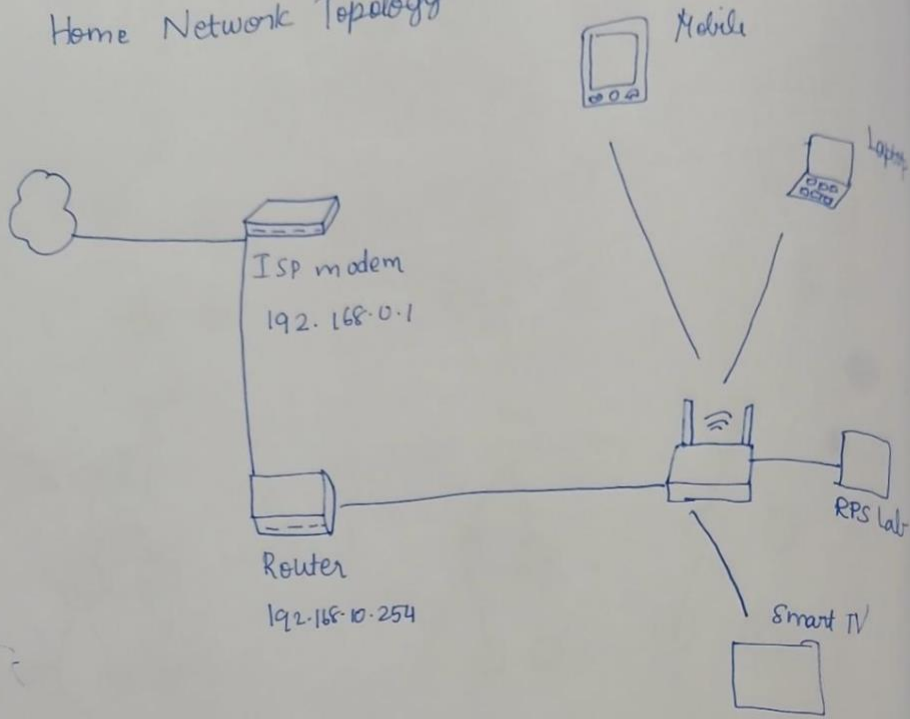
Assignment 2

A real-world application for parallel computing is weather forecasting. Parallel computing allows weather models to run simulations faster by breaking down complex calculations into smaller tasks that can be processed simultaneously by multiple processors or cores.

1 s networked system like a distributed databases is essential for applications like online banking. Distributed databases allow financial institutions to store & retrieve customer data across multiple servers, es ensuring bing high availability and fault tolerance. It also enable real-time transactions & secure communication between banking applications & servers, ensuring the integrity & confidentiality of sensitive financial information