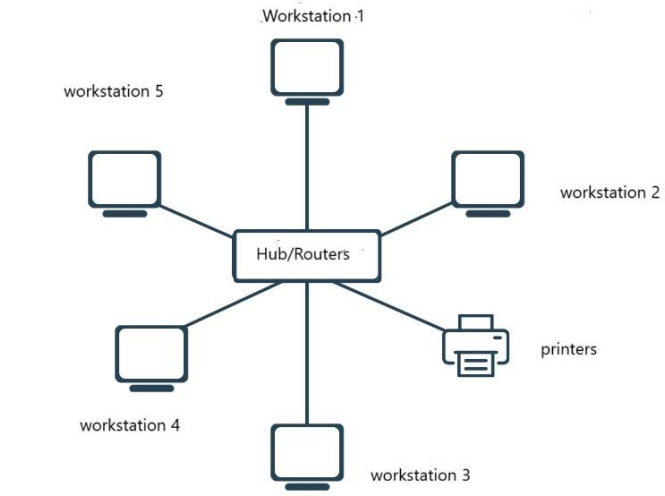
DAY 1 :

Assignment 1 : Star topology



- VPN Client: You would have a VPN client software installed on your device (computer, laptop, or smartphone). This software allows you to securely connect to the RPS Lab environment over the internet.
- VPN Server: The RPS Lab would have a VPN server set up on their end. This server handles incoming VPN connections and authenticates users.
- Internet: Your home network's modem/router connects to the internet, allowing you to establish a connection to the RPS Lab's VPN server.
- VPN Tunnel: When you initiate a connection from your device to the RPS Lab's VPN server, a secure tunnel is established over the internet. This tunnel encrypts all data passing between your device and the RPS Lab's network, ensuring privacy and security.
- Access to Lab Environment: Once the VPN connection is established, your device essentially becomes part of the RPS Lab's network. You can access resources within the lab environment as if you were physically present on-site.

Assignment 2:

real world example for parallel computing..

Imagine an assembly line in a factory. An assembly line divides the work of producing a product into separate tasks that different workers or machines perform simultaneously. While one worker assembles one part, another worker assembles a different part.

real world applications for networked system.

Online gaming

Multiplayer online games use computer networks to link players from all over the world, enabling online competitions and real-time gaming experiences.

Reference : https://www.geeksforgeeks.org/real-life-applications-of-network-theory/