**Discussion Questions:**

1. What is hypervisor?
2. Compare the static and dynamic IP addresses in terms of:

|  |  |  |
| --- | --- | --- |
|  | Static IP | Dynamic IP |
| Connection speed |  |  |
| Security |  |  |
| Setup |  |  |
| Cost |  |  |
| Assigner |  |  |

1. Draw the differences and connections between public and private IP addresses. The public IP address is static or private?
2. Explain how and why the MAC Address can be used to track a computing device on a wi-Fi Network.
3. Some Companies like Android, Linux, iOS, and Windows have implemented MAC address randomization, explain how and why.
4. What are the differences between VLAN and VPN.
5. What is the main advantage of VLAN
6. What is the main advantage of VPN
7. How is a network topology usually characterized?
8. What are the differences between full mesh and partial mesh topologies.