Here are some common viva questions with answers about computer networks:	凸 7 ° ■°
 What is a computer network? Answer: A computer network is a group of interconnected devices, such as compuprinters, and servers, that can communicate with each other and share resources. What is a LAN? Answer: A LAN (Local Area Network) is a type of computer network that connects within a small geographic area, such as an office, building, or campus. What is a WAN? Answer: A WAN (Wide Area Network) is a type of computer network that connects devices across a large geographic area, such as different cities, states, or countries. What is a protocol? Answer: A protocol is a set of rules and standards that governs how devices communicate with each other over a network. What is the OSI model? Answer: The OSI (Open Systems Interconnection) model is a conceptual framewor describes how network communication should occur. It consists of seven layers, ewith a specific set of functions and protocols. What is TCP/IP? Answer: TCP/IP (Transmission Control Protocol/Internet Protocol) is a suite of prot that are used to govern how data is transmitted over the internet and other compnetworks. What is a router? Answer: A router is a networking device that forwards data packets between differ computer networks. It is responsible for routing traffic to the correct destination a ensuring that data is delivered successfully. What is a firewall? Answer: A firewall is a security device that monitors and controls incoming and ounetwork traffic based on a set of predefined rules. Its purpose is to prevent unauti access to a network and protect against malicious attacks. What is a VPN? Answer: A VPN (Virtual Private Network) is a type of network connection that prov secure and private connection between two or more devices over a public networ as the internet. What is a DNS server? Answer: A DNS (Domain Name System) server is a net	devices k that ach ocols uter rent nd digoing norized vides a k, such es heir
over a network.	
 Give me more questions Sure, here are some more viva questions and answers about computer networks: 11. What is a switch? Answer: A switch is a networking device that connects multiple devices on a network forwards data packets between them. It is responsible for filtering and directing not traffic to its intended destination. 12. What is the difference between a hub and a switch? Answer: A hub is a simple networking device that connects multiple devices on a network, but it does not provide any intelligence or filtering of network traffic. As on the other hand, is a more advanced networking device that provides intelligent filtering and forwarding of network traffic. 13. What is a MAC address? Answer: A MAC (Media Access Control) address is a unique identifier that is assigned each device on a network. It is used to identify devices on the network and ensured data packets are delivered to their intended destination. 14. What is an IP address? Answer: An IP (Internet Protocol) address is a unique identifier that is assigned to device on a network. It is used to identify devices on the network and facilitate the routing of data packets between them. 15. What is NAT? Answer: NAT (Network Address Translation) is a networking technique that allows multiple devices on a network to share a single IP address. It is used to conserve II addresses and improve network security. 16. What is a subnet mask? Answer: A subnet mask is a numerical value that is used to divide an IP address in network portion and a host portion. It is used to identify the range of IP addresses belong to a particular network or subnet. 	ork and etwork witch, t ned to e that each es to a
 17. What is a proxy server? Answer: A proxy server is a networking device that acts as an intermediary between client and a server. It is used to filter and cache network traffic, improve performance and provide anonymity. 18. What is a DNS cache? Answer: A DNS cache is a temporary storage location on a device or server that storecently accessed DNS records. It is used to improve DNS lookup times and reduce network traffic. 19. What is a load balancer? Answer: A load balancer is a networking device or software that distributes network traffic evenly across multiple servers or resources. It is used to improve performance increase availability, and prevent overloading of individual resources. 20. What is a VLAN? Answer: A VLAN (Virtual Local Area Network) is a logical grouping of devices on a network that are separated by software rather than physical cabling. It is used to innetwork performance, security, and manageability. 	ores e rk ce,
 Sure, here are some more viva questions and answers about computer networks: 21. What is a socket? Answer: A socket is an endpoint of a two-way communication link between two programs running on a network. It consists of an IP address, a port number, and a protocol. 22. What is a packet? Answer: A packet is a unit of data that is transmitted over a network. It consists of header, which contains information about the packet, and a payload, which contains cutual data being transmitted. 23. What is the difference between TCP and UDP? Answer: TCP (Transmission Control Protocol) is a connection-oriented protocol the ensures reliable delivery of data by establishing a virtual connection between two devices. UDP (User Datagram Protocol), on the other hand, is a connectionless prot that does not establish a virtual connection and does not guarantee reliable deliver data. 24. What is latency? Answer: Latency is the amount of time it takes for a data packet to travel from one to another on a network. It is affected by factors such as distance, network congest and network bandwidth. 25. What is bandwidth? Answer: Bandwidth is the maximum amount of data that can be transmitted overnetwork in a given amount of time. It is measured in bits per second (bps), and it affected by factors such as network congestion and network infrastructure. 26. What is a ping? Answer: A ping is a network tool that is used to test the connectivity between two on a network. It sends a small data packet to the destination device and measures time it takes for the packet to travel back. 27. What is a braceroute? Answer: A traceroute is a network tool that is used to trace the path that a data packet is a traceroute? Answer: A traceroute is a network tool that is used to trace the path that a data packet is a traceroute? Answer: A traceroute is a network tool that is used to provide a secure connection between two devices that are not on the s	a ins the stocol ery of edevice stion, a ss devices the acket reasing over a ween vice a factor of the strict of t
Sure, here are some more viva questions and answers about computer networks:	습 무 ° •
 What is a firewall? Answer: A firewall is a networking device or software that is used to filter and blod unwanted network traffic. It is used to protect a network from unauthorized access malware, and other threats. What is a domain name? Answer: A domain name is a unique identifier that is used to identify a website on internet. It consists of a name and a top-level domain (TLD), such as .com, .org, or 33. What is a URL? Answer: A URL (Uniform Resource Locator) is a web address that is used to locate specific resource on the internet, such as a webpage or a file. It consists of a prote domain name, and a resource path. What is a proxy server? Answer: A proxy server is a networking device or software that acts as an internet between a client and a server. It is used to filter and cache network traffic, improve performance, and provide anonymity. What is a content delivery network (CDN)? Answer: A CDN is a network of servers that are distributed geographically to provifaster and more reliable delivery of content over the internet. It is used to reduce and improve performance for users accessing content from different parts of the variety of the content of	the .edu. a ocol, a diary e de latency world. cts signals e and es on a cabling. is used affic
give me more question	
 Sure, here are some more viva questions and answers about computer networks: 41. What is a MAC address? Answer: A MAC (Media Access Control) address is a unique identifier that is assign network interface controller (NIC) on a device. It is used to identify a device on a rand is assigned by the manufacturer. 42. What is a DNS server? Answer: A DNS (Domain Name System) server is a networking device or software it translates domain names into IP addresses. It is used to simplify the process of active websites and other resources on the internet. 43. What is a gateway address? Answer: A gateway address is the IP address of a device on a network that acts as entry and exit point to other networks or the internet. It is used to route network to between different networks. 44. What is a subnet mask? Answer: A subnet mask is a 32-bit number that is used to divide an IP address into network and host portions. It is used to identify the network ID and host ID of an laddress. 45. What is a virtual private network (VPN)? Answer: A VPN is a secure and encrypted connection between two devices over a network, such as the internet. It is used to provide a secure connection between the devices that are not on the same local network. 46. What is a switch? Answer: A switch is a networking device that connects devices on a network and network traffic between them. It is responsible for forwarding data packets to their intended destination. 47. What is a hub? Answer: A hub is a networking device that connects multiple devices on a network broadcasts network traffic to all connected devices. It is used to extend the reachine network but does not provide any intelligence for directing network traffic. 48. What is bandwidth throttling? Answer: Bandwidth throttling is t	that cessing an traffic Public wo lirects r and of a trant tize