- # QUESTION NO: 1

What is the difference between VPN and Proxy? Which one should we go for if we want to have privacy strictly?

ANSWER:

DIFFERENCE BETWEEN VPN AND PROXY:

VPN:

A **Virtual Private Network**, or **VPN**, is an encrypted connection over the internet from a Device to a network. The encrypted connection helps ensure that sensitive data is safely Transmitted. It prevents unauthorized people from eavesdropping on the traffic and allows the User to conduct work remotely.

PROXY:

A proxy server is any machine that translates traffic between networks or protocols. It's an Intermediary server separating end-user clients from the destinations that they browse. Proxy Servers provide varying levels of functionality, security, and privacy depending on your use case, Needs, or company policy.

DIFFERENCE:

VPN	PROXY
Protects all your internet traffic	Protects only your browser or a certain app
Encryption	Encryption
Good for: • Anonymous web browsing • Viewing geo-blocked content • Protecting yourself from hackers • Preventing ISP tracking	Good for: • Anonymous web browsing • Viewing geo-blocked content

Which one should we go for if we want to have privacy strictly?

VPN is better as it provides privacy and security by routing your traffic through secure Servers and encrypts your traffic. A proxy simply passes your traffic through a mediating server but doesn't necessarily offer any extra protection. Moreover, unlike proxies, VPNs Work on the operating system level to secure all your traffic.

QUESTION NO: 2

Can a server act as a Client?

ANSWER

A computer network in which one centralized, powerful computer called the server it is a Hub to which many less powerful personal computers or workstations called clients are Connected. The clients run programs and access data that are stored on the server.

A server host runs one or more server programs which share their resources with clients. A Client does not share any of its resources, but requests a server's content or service Functions. Clients therefore initiate communication sessions with servers which await incoming Requests. Client-server denotes a relationship between cooperating programs in an Application, composed of clients initiating requests for services and servers providing that Function or service. There are many types of servers, including web servers, mail servers, and Virtual servers. An individual system can provide resources and use them from another system a t The same time. This means that a device could be both a server and a client at the same time. Often clients and servers communicate over a computer network on separate hardware, but both Client and server may reside in the same system. A server host runs one or more server programs, Which share their resources with clients.