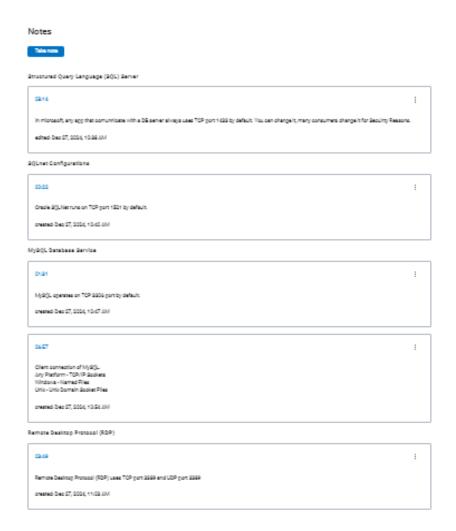
Day-10

Today I completed 2 courses related to Networking as from the evaluation of previous days, I was told that Networking is a point where I am weak and I need to work on my base knowledge of Networking, its many aspects. So today I covered two topics, their information is given below:

I took the CompTIA Network+ course on Infosys Springboard and learned about important networking concepts. I understand the role of 'ports' in identifying services running on a network, and how protocols like SQL and MySQL are used for database communication. The notes I took are attached below. I also learned about different types of IP protocols, such as ICMP, TCP (Eg: Bluetooth), UDP (Eg: Streaming), GRE (Tunneling), and IPsec, etc.......



Important Ports to remember:

- In microsoft, any app that comunnicate with a DB server always uses TCP port
 1433 by default. You can change it, many consumers change it for Secuirty
 Reasons.
- 2) Oracle SQLNet runs on TCP port 1521 by default.
- 3) MySQL operates on **TCP 3306 port** by default.
- 4) Remote Desktop Protocol (RDP) uses TCP port 3389
- 5) **Port 80**: Hypertext Transfer Protocol (HTTP)
- 6) Port 443: HTTP Secure (HTTPS)
- 7) Port 22: Secure Shell (SSH)
- 8) **Port 21**: File Transfer Protocol (FTP)
- 9) **Port 25**: Simple Mail Transfer Protocol (SMTP)
- 10) Port 53: Domain Name System (DNS)
- 11)**Port 110**: Post Office Protocol version 3 (POP3)
- 12) Port 143: Internet Message Access Protocol (IMAP)
- 13)**Port 123**: Network Time Protocol (NTP)
- 14)**Port 23:** Telnet
- 15) Port 445: SMB (Server Message Block)
- 16)**Port 465**: SSMTP
- 17)**Port 137-139:** NetBIOS
- 18)**Port 67-68**: DHCP
- 19)**Port 873:** Rsync
- 20) Port 161-162: SNMP

I also took the CompTIA Network+: IP Addressing Schemes and Subnetting course on Infosys Springboard. This course helped me learn about how IP addresses work and how they affect network communication if not configured and managed properly. I understood IPv4 and IPv6 and the difference between public and private IP addresses. I also learned about subnetting, how it divides networks, and how to calculate subnet masks.

Courses Completion Validation:

TITLE \$	TYPE 	STATUS \$	STARTED \$	COMPLETED \$	HIGHEST SCORE \$	
CompTIA Network+: Registered Ports	Course	Completed	12/27/2024	12/27/2024	86	:
CompTIA Network+: IP Addressing Schemes and Subnetting	Course	Completed	12/27/2024	12/27/2024	80	: