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331 Research Presentation

For my part of this presentation, I worked on **Slides 13–15**, which focused on explaining why Fully Qualified Table Names (FQTNs) are important and how they work in real-world SQL environments. I prepared using multiple sources including *What is a SQL Server Data Dictionary and why would I want to create one?*, *What does fully qualified name mean in SQL?* from Sololearn, the *Micro Focus Documentation*, and the F5 glossary on Fully Qualified Domain Names. I also used *SQL Server 13 – Domain Integrity* and *What is Data Taxonomy? Examples Included* from Amplitude. These sources helped me understand how the concept of “fully qualified” applies not only to networks but also to database structure, schema management, and data organization. I further learned that FQTNs act as exact addresses for tables in SQL Server, ensuring precision, consistency, and scalability when working across multiple schemas or servers.

Slides 13–15 demonstrate how FQTNs bring clarity, scalability, and referential integrity to SQL queries. They show that by using complete paths such as [Database].[Schema].[Table] or even [Server].[Database].[Schema].[Table], developers avoid any potential confusion and guarantee accurate joins between tables. In today’s large-scale systems, given that data can span multiple schemas or servers, this kind of precision is necessary. Understanding FQTNs also connects directly to broader database organization, since it helps maintain consistency and ensures every reference in code points to the correct table. Overall, learning this concept builds a foundation

for writing cleaner, more reliable, and professional SQL queries in all manner of real-world environments.

Sources:

[What is a SQL Server Data Dictionary and why would I want to create](#)

[What does fully qualified name means in SQL? | Sololearn: Learn to code for FREE!](#)

[Micro Focus Documentation](#)

<https://www.f5.com/glossary/fully-qualified-domain-name-fqdn>

[Fully Qualified Table Names](#)

[SQL Server 13 - Domain Integrity](#)

[What is Data Taxonomy? Examples Included | Amplitude](#)