

- List Top 5 tips to optimize DAX query manually and explain why you choose.

1. Using variables: breaks down complex dax calculation into several steps. Good for debugging
2. Creating a separate table for measures: a convenient practice to store measures which help find them easily and avoid cluttering other tables.
3. Clean formatting: Adhering to formatting rules in dax is a good convention that makes your code clean, readable and makes It easy to find flaws
4. Avoid Using Error functions: Rather than using error functions, checking for possible cases when errors occur and return a default value in such cases is good for optimization. (When possible)
5. Avoid using complex calculations and try to find easier ways like function that can replace several lines of code with just one etc.

6. What is the benefit of using DAX optimization tools like DAX Studio, Performance Analyzer, Tabular Editor

Performance analyzer allows you to compare the same measure with different calculation to find the most efficient one

Dax studio helps with analysis of dataset size, design, query performance and other features of connecting to and manipulating data

Tabular Editor is a powerful tool for developing and managing tabular data models