**Day8**

- Sql server profiler

create trace file to catch queries

Then

Sql server tuning advisor and select the trace file

Output: recommends indexes to be created

- System databases

•Master contains users data and configuration

•Model contains main base model new databases are created on

•Msdb responsible for creating backups based on given time or number of users

•Tempdb

local table (#tableName)

Stored on tempdb displayed only for current query will be dropped if you close the query

Can create many of same name as every one has it’s special id

global table(##tableName) shared table

Stored on tempdb

variable table(declare @t table)

local on batch

- rollup cube grouping sets

- Pivot ( aggFn(col to be aggregated) for [col to be pivoted] as pvtName

- view (use chatgpt to remember)

- With check option ( deny insertion or update if option not accomplished )

as in if it’s a view to select data of instructors in cairo, you can’t insert another from alex in the view

- Must write schema name in 3 cases

scalar fn

Indexed view

Selection from other database or server

**Notes (AGG,having,U\_fam)**

Grouping by 2 cols will make sense like cross join but grouped

Where

Group

Having

Union all ——> gets all

Union ———> gets elements distinct and ordered

Intersect ——> gets outputs occurs in both queries then does distinct and ordering

Except ———> gets outputs that occurs in the first and not in second then distinct and order