Creating a Calendar Table

https://advancedsqlpuzzles.com

Here is a nifty trick for creating a calendar table (or in this case, a calendar view) using a table valued function.

We typically use table-valued functions as parameterized views. In comparison with stored procedures, the table-valued functions are more flexible as we can use them wherever tables are used.

I try to keep these blog posts short and more to the advanced level, so I won't go into the purpose and usefulness of calendar tables. I would only be recreating some already great posts from SQL Shack and MSSQLTips.

Table valued functions are a highly underused feature of database management systems, and I encourage everyone to spend some time and understand their value.

Here is a link to my source code to create the function. Note this links to my GitHub repository. There is also a script to show examples of its usage.

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When you need to join the table valued function to a table, the CROSS APPLY operator is used. If you are unfamiliar with CROSS APPLY (or the related OUTER APPLY), a quick internet search will fill the gaps.

```
SELECT  *
FROM    FnReturnCalendarTable(GETDATE())
```

To see more examples of its usage, link to my GitHub repository.

Happy coding!