TSQL Homework 07

Chapter 7, T-SQL Query Fundamentals

Readings

Read chapter 7 in the *T-SQL Query Fundmentals* book.

Homework questions

1. What is a window function?

2. What does PARTITION do?

3. What does ORDER BY do?

4. What does ROWS BETWEEN do?

5. What is a ranking window function? Why would you use it? Give an example.

6. What is an offset window function? Why would you use it? Give an example.

7. What do LEAD and LAG DO

8. What do FIRST_VALUE and LAST_VALUE do?

9. What is an aggragate window function? Why would you use it? Give an example.

10. What is a pivot table and what does it do?

11. In mathematical theory, what is a *power set*? How does this definition of power set relate to *grouping sets*?

12. What is a *bit array*? How can you implement a bit array to represent a set of flags? How does the `GROUPING_ID()` function implement a bit array?

13. Read the documentation on the UNIX/Linux `chmod` command. How would interpret this command: `chmod 755 myscript.sql`?