Day 51
Window Functions
Part 1

Window functions in SQL

- **Window functions** apply aggregate and ranking functions over a particular window (set of rows).
- **OVER** clause is used with window functions to define that window.
- **OVER** clause does two things :
  - Partitions rows into form set of rows. (**PARTITION BY** clause is used)
  - Orders rows within those partitions into a particular order. (**ORDER BY** clause is used)

General Syntax

```
SELECT
coulmn_name1,
window_function(cloumn_name2) OVER([PARTITION
BY column_name1] [ORDER   BY column_name3]) AS
new_column
FROM table_name;
```

window_function : any aggregate or ranking function
column_name1 : column to be selected
column_name2 : column on which window function is to be applied
column_name3 : column on whose basis partition of rows is to be done
new_column : Name of new column
table_name : Name of table