AGGREGATE FUNCTIONS IN MYSQL WHAT, WHY AND HOW?

November 30, 2021

・ロト・日本・山下・山下・山下・山下・

Aggregate Functions

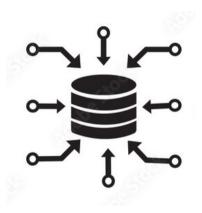
- What are aggregate functions?
- Why use aggregate functions?
- The most common aggregate functions in detail.
 - count()
 - sum()
 - average()
 - min()
 - max()
- How to use aggregate functions in MYSQL?
 - Simple queries to begin with!
 - A few tricky queries to end with!

(I) < (I)

э

A function which

- Groups together values of multiple rows as input
- Returns a significant single value as output



イロト イポト イヨト イヨト

ъ

Organisations interested in knowing whole figures, not individual details. Produces summarised data like:

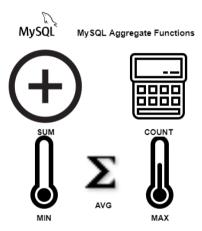
- Average working hours of all employees in ABC firm
- Most rented movies in Netflix
- Highest single-day increase in Apple's share value

イロト イポト イヨト イヨト

э

Common MYSQL aggregate functions

1



¹https://dev.mysql.com/doc/refman/8.0/en/aggregate-functions.html

Aggregate Functions

Consider the following employee table

Name	Occupation	Working date	Working hrs
Aditya	Data Scientist	2023-10-04	12
Krishna	Data Engineer	2023-10-04	10
Moumi	Software Developer	2023-10-04	13
Rishika	Analyst	2023-10-04	14
Soham	Researcher	2023-10-04	12
Sucheta	ML Engineer	2023-10-04	11

・ロト・日本・モン・モン・モーショーのへの

Agg.	Description	Query
Func.		
count()	Number of rows, including rows	SELECT COUNT(Name) FROM employee;
	with NULL values in a group	
sum()	Total summed values (Non-NULL)	SELECT SUM(Working hrs) FROM employee;
	in a set	
average()	Average value of an expression	SELECT AVG(Working hrs) FROM employee;
min()	Minimum (lowest) value in a set	SELECT MIN(Working hours) FROM employee;
max()	Maximum (highest) value in a set	SELECT MAX(Working hrs) FROM Employee;

æ.

Any questions before we switch to the live MYSQL working zone???



Aggregate Functions