SQL TIPS AND TRICKS

PART 4

Difference Between count(*), count(1), count(-1), count(col), count(distinct col).

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Sample Example

emp_id	emp_name	department_id	salary	manager_id
1	Ankit	100	10000	4
2	mohit	100	15000	5
3	vikas	100	10000	4
4	rohit	100	5000	2
5	mohit	200	12000	6
6	agam	200	12000	2
NULL	NULL	NULL	NULL	NULL
8	ashish	200	5000	NULL

count(*), count(1), count(-1) – They all return no. of rows including null row.
count(col_name) – This returns excluding null values but includes duplicate values.
count(distinct col_name) – This returns just single values i.e excluding null and duplicate values.

```sql
12 •   SELECT
13             COUNT(*) AS aall,
14             COUNT(1) AS one1,
15             COUNT(0) AS zero,
16             COUNT(- 1) AS minusone,
17             COUNT(manager_id) AS managerId,
18             COUNT(DISTINCT manager_id) AS DistinctmanagerId
19     FROM
20         emp;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

aall	one1	zero	minusone	managerId	DistinctmanagerId
8	8	8	8	6	4

THANK YOU

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