

Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

Navigator

Filter objects

Indexes

Foreign Keys

Triggers

staffs

Columns

staff\_id

staff\_name

department

salary

Indexes

Administration Schemas

Table: staffs

Columns:

staff\_id int

staff\_name varchar(30)

department varchar(30)

salary int

time stamp joins built in functions user defined functions joins sub queries views stored procedures triggers sp DCL

Day 41 - Wind

key

time stamp joins built in functions user defined functions joins sub queries views stored procedures triggers sp DCL

Don't Limit

42 #CUME\_DIST()

43 SELECT staff\_id,staff\_name,salary,

44 CUME\_DIST() OVER (ORDER BY salary) AS

45 Cumulative\_Distribution

46 FROM staffs;

47

48 #PERCENT\_RANK()

49 SELECT staff\_id,salary,

50 PERCENT\_RANK() OVER (ORDER BY salary) AS Percent\_Rank\_staff

51 FROM staffs;

Result Grid

Filter Rows:

Export: Wrap Cell Content

	staff_id	salary	Percent_Rank_staff
7		0	
4	15000	0.16666666666666666	
3	20000	0.3333333333333333	
5	20000	0.3333333333333333	
1	23500	0.6666666666666666	
6	25000	0.8333333333333334	
2	46500	1	

Result 21

Read Only

Output

Action Output

#	Time	Action	Message	Duration / Feish
22	12:42:02	SELECT staff_id,staff_name,salary, CUME_DIST() OVER (ORDER BY salary) AS Cumulativ...	7 row(s) returned	0.000 sec / 0.000 sec
23	12:42:11	SELECT staff_id,salary, PERCENT_RANK() OVER (ORDER BY salary) AS Percent_Rank_...	7 row(s) returned	0.000 sec / 0.000 sec

Object Info

Session

MySQL Workbench

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Navigator

SCHEMAS

Filter objects

- Indexes
- Foreign Keys
- Triggers
- staffs
- student\_name
- students
- teacher\_log
- teachers
- worker
- Views

Administration Schemas

Information

Table: **staffs**

Columns:

- staff\_id int
- staff\_name varchar(30)
- department varchar(30)
- salary int

Query Editor

```
1 select * from staffs;
2 #ROW NUMBER()
3 SELECT staff_id,staff_name,salary,
4 ROW_NUMBER() OVER (PARTITION BY staff_id ORDER BY salary ) AS staff_row
5 FROM staffs;
6
7 #RANK()
8 SELECT staff_id,staff_name,salary,
```

Result Grid

	staff_id	staff_name	department	salary
1	ajay	marketing	23500	
2	arun	sales	46500	
3	shanthan	Hr	20000	
4	das	finance	15000	
5	joseph	sales	20000	
6	Alice	marketing	25000	
7	Pranav	Marketing	10000	

staffs 12 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
12	12:39:35	SELECT staff_id,salary, PERCENT_RANK() OVER (ORDER BY salary) AS Percent_Rank_...	7 row(s) returned	0.000 sec / 0.000 sec
13	12:40:06	select * from staffs	7 row(s) returned	0.016 sec / 0.000 sec

Object Info Session

MySQL Workbench

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Navigation: time stamp joins built in functions user defined functions joins sub queries views stored procedures triggers sp DCL Day 41 - Wind

SCHEMAS

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Administration Schemas

Information

Table: staffs

Columns:

- staff\_id int
- staff\_name varchar(30)
- department varchar(30)
- salary int

Query Editor

```
1 • select * from staffs;
2 #ROW_NUMBER()
3 • SELECT staff_id,staff_name,salary,
4 ROW_NUMBER() OVER (PARTITION BY staff_id ORDER BY salary ) AS staff_row
5 FROM staffs;
6
7 #RANK()
8 • SELECT staff_id,staff_name,salary,
```

Result Grid

	staff_id	staff_name	salary	staff_row
▶	1	ajay	23500	1
	2	arun	46500	1
	3	shanthan	20000	1
	4	das	15000	1
	5	joseph	20000	1
	6	Alice	25000	1
	7	Pranav	20000	1

Result 13 x Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓	13 12:40:06	select * from staffs	7 row(s) returned	0.016 sec / 0.000 sec
✓	14 12:40:20	SELECT staff_id,staff_name,salary, ROW_NUMBER() OVER (PARTITION BY staff_id OR...	7 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

MySQL Workbench

Local instance MySQL80 x

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Navigator

SCHEMAS

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Administration Schemas

Information

Table: **staffs**

Columns:

- staff\_id int
- staff\_name varchar(30)
- department varchar(30)
- salary int

Query Editor

```
4 ROW_NUMBER() OVER (PARTITION BY staff_id ORDER BY salary ) AS staff_row
5 FROM staffs;
6
7 #RANK()
8 SELECT staff_id,staff_name,salary,
9 RANK() OVER (ORDER BY salary DESC) AS staff_rank
10 FROM staffs;
11
```

Result Grid

staff_id	staff_name	salary	staff_rank
2	arun	46500	1
6	Alice	25000	2
1	ajay	23500	3
3	shanthan	20000	4
5	joseph	20000	4
4	das	15000	6
7	Pranav	10000	7

Result 14 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
14	12:40:20	SELECT staff_id,staff_name,salary, ROW_NUMBER() OVER (PARTITION BY staff_id OR...	7 row(s) returned	0.000 sec / 0.000 sec
15	12:40:29	SELECT staff_id,staff_name,salary, RANK() OVER (ORDER BY salary DESC) AS staff_rank...	7 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

MySQL Workbench

Local instance MySQL80 x

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time stamp joins built in functions user defined functions joins sub queries views stored procedures triggers sp DCL Day 41 - Window 4

SCHEMAS

Filter objects

- Indexes
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Administration Schemas

Information

Table: staffs

Columns:

- staff\_id int
- staff\_name varchar(30)
- department varchar(30)
- salary int

```
10 FROM staffs;
11
12 #DENSE_RANK()
13 • SELECT staff_id,staff_name,salary,
14 DENSE_RANK() OVER (ORDER BY salary DESC) AS staff_Dense_Rank
15 FROM staffs;
16
17 #NTILE()
```

Result Grid

	staff_id	staff_name	salary	staff_Dense_Rank
▶	2	arun	46500	1
	6	Alice	25000	2
	1	ajay	23500	3
	3	shanthan	20000	4
	5	joseph	20000	4
	4	das	15000	5
	7	Prenav	10000	6

Result 15 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 15	12:40:29	SELECT staff_id,staff_name,salary, RANK() OVER (ORDER BY salary DESC) AS staff_rank...	7 row(s) returned	0.000 sec / 0.000 sec
✓ 16	12:40:41	SELECT staff_id,staff_name,salary, DENSE_RANK() OVER (ORDER BY salary DESC) AS s...	7 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

SQL

REL

VIEW

TABLE

SCHEMAS

FUNCTIONS

JOINS

TIME

KEY

Navigator

Filter objects

Indexes

Foreign Keys

Triggers

▼ staffs

Columns

staff\_id

staff\_name

department

salary

Indexes

Administration Schemas

Information

Table: staffs

Columns:

staff\_id int

staff\_name varchar(30)

department varchar(30)

salary int

time stamp joins built in functions user defined functions joins sub queries views stored procedures triggers sp DCL

Don't Limit

16

17 #NTILE()

18 • SELECT

19 staff\_id,

20 staff\_name,salary,

21 NTILE(4) OVER (ORDER BY salary) AS Quartile

22 FROM staffs;

23

Result Grid

Filter Rows:

Exports

Wrap Cell Content: 1A

Read Only

	staff_id	staff_name	salary	Quartile
▶	7	Pranav	10000	1
	4	dac	15000	1
	3	shanthan	20000	2
	5	joseph	20000	2
	1	ajay	23500	3
	6	Alice	25000	3
	2	arun	46500	4

Result 16 x

Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
17	12:40:54	SELECT staff_id, staff_name,salary, NTILE(4) OVER (ORDER BY salary) AS Quartile FRO...	Error Code: 1054. Unknown column 'staff_id' in field list'	0.125 sec
18	12:41:00	SELECT staff_id, staff_name,salary, NTILE(4) OVER (ORDER BY salary) AS Quartile FRO...	7 row(s) returned	0.000 sec / 0.000 sec

MySQL Workbench

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Navigator

SCHEMAS

Filter objects

- Indexes
- Foreign Keys
- Triggers
- ▼ staffs
  - Columns
    - staff\_id
    - staff\_name
    - department
    - salary
  - Indexes

Administration Schemas

Information

time stamp joins built in functions user defined functions joins sub queries views stored procedures triggers sp DCL Day 41 - Window

Don't Limit

```
22 FROM staffs;
23
24 #FIRST_VALUE()
25 SELECT
26     staff_id,
27     staff_name,
28     FIRST_VALUE(salary) OVER
29     (PARTITION BY staff_id ORDER BY
30     salary) AS First_salary
31 FROM staffs;
```

Result Grid

	staff_id	staff_name	First_salary
▶	1	ajay	23500
	2	arun	46500
	3	shanthan	20000
	4	das	15000
	5	joseph	20000
	6	Alice	23000
	7	Pranav	0000

Result 18 x Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓	19 12:41:14	SELECT staff_id, staff_name, FIRST_VALUE(salary) OVER (PARTITION BY staff_id ORD...	7 row(s) returned	0.016 sec / 0.000 sec
✓	20 12:41:29	SELECT staff_id, staff_name, FIRST_VALUE(salary) OVER (PARTITION BY staff_id ORD...	7 row(s) returned	0.000 sec / 0.000 sec

Object Info Session



mysql workbench

Local instance MySQL80 x

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Navigator: Filter objects

- Indexes
- Foreign Keys
- Triggers
- ▼ **staffs**
  - Columns
    - staff\_id
    - staff\_name
    - department
    - salary
  - Indexes

Administration Schemas

Information

Table: **staffs**

Columns:

- staff\_id int
- staff\_name varchar(30)
- department varchar(30)
- salary int

```
31 FROM staffs;
32
33 #LAST_VALUE()
34 • SELECT
35 staff_id,staff_name,
36 LAST_VALUE(salary) OVER (PARTITION BY
37 staff_id ORDER BY salary ROWS BETWEEN
38 CURRENT ROW AND UNBOUNDED FOLLOWING) AS
39 Last_salary
40 FROM staffs;
```

Result Grid

staff_id	staff_name	Last_salary
1	ajay	23500
2	arun	46500
3	shanthan	20000
4	das	15000
5	joseph	20000
6	Alice	25000
7	Pranav	NULL

Result 19 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 20	12:41:29	SELECT staff_id, staff_name, FIRST_VALUE(salary) OVER (PARTITION BY staff_id ORD...	7 row(s) returned	0.000 sec / 0.000 sec
✓ 21	12:41:47	SELECT staff_id,staff_name, LAST_VALUE(salary) OVER (PARTITION BY staff_id ORDE...	7 row(s) returned	0.000 sec / 0.000 sec

Object Info Session



MySQL Workbench

Local instance MySQL80 x

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Navigator

SCHMAS

Filter objects

- Indexes
- Foreign Keys
- Triggers
- ▼ staffs
  - Columns
    - staff\_id
    - staff\_name
    - department
    - salary
  - Indexes

Administration Schemas

Information

Table: **staffs**

Columns:

- staff\_id int
- staff\_name varchar(30)
- department varchar(30)
- salary int

```
37 staff_id ORDER BY salary ROWS BETWEEN
38 CURRENT ROW AND UNBOUNDED FOLLOWING) AS
39 last_salary
40 FROM staffs;
41
42 #CUME_DIST()
43 SELECT staff_id,staff_name,salary,
44 CUME_DIST() OVER (ORDER BY salary) AS
45 Cumulative_Distribution
46 FROM staffs;
```

Result Grid

	staff_id	staff_name	salary	Cumulative_Distribution
▶	7	Pranav	46500	0.14285714285714285
	4	das	15000	0.2857142857142857
	3	shanthan	20000	0.5714285714285714
	5	joseph	20000	0.5714285714285714
	1	ajay	23500	0.7142857142857143
	6	Alice	25000	0.8571428571428571
	2	arun	46500	1

Result 20 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓	21 12:41:47	SELECT staff_id,staff_name, LAST_VALUE(salary) OVER (PARTITION BY staff_id ORDE...	7 row(s) returned	0.000 sec / 0.000 sec
✓	22 12:42:02	SELECT staff_id,staff_name,salary, CUME_DIST() OVER (ORDER BY salary) AS Cumulativ...	7 row(s) returned	0.000 sec / 0.000 sec

Object Info Session