

AGGREGATE FUNCTIONS

SUM --- ADDITION OF INTERGER NUMBER
AVG ---SUM DIVIEDE NUMBER OF ELEMENTS
MIN ---LOWEST VALUE OF THE DATA
MAX ---HIGHEST VALUES OF THE DATA
COUNT ---NUMBER OF ELEMENTS

SQL query with all clause .

The screenshot shows the DBeaver 22.2.0 interface with a script editor containing several SQL queries. The results pane displays the output of the last query, which is a grouped count of department IDs.

SQL Queries:

```
SELECT * FROM S_HREMPLOYEES sh

select sum(salary) as salary from S_HREMPLOYEES sh

select avg(salary) as avg, JOB_ID from S_HREMPLOYEES sh group by JOB_ID

select min(salary) as Minimun, max(salary) as maximum, DEPARTMENT_ID from S_HREMPLOYEES sh group by DEPARTMENT_ID

SELECT count(1),DEPARTMENT_ID from S_HREMPLOYEES sh group by DEPARTMENT_ID ;

SELECT count(1), DEPARTMENT_ID from S_HREMPLOYEES sh WHERE DEPARTMENT_ID is NOT NULL
GROUP BY DEPARTMENT_ID having COUNT(1)>1
ORDER BY DEPARTMENT_ID
```

Results:

DEPARTMENT_ID	COUNT(1)
20	1
30	2
50	3
60	4
80	5
90	6
100	7
110	8

The status bar at the bottom indicates that 8 rows were fetched in 361ms on 2022-09-08 at 10:54:31. The system tray shows a temperature of 72°F and the date 9/8/2022.

DBeeer 22.2.0 - <dlithe> Script-1

File Edit Navigate Search SQL Editor Database Window Help

SQL Commit Rollback Auto dlithe dbo@dlithe

Enter a part of c

dlithe - rewansole

Databases

Security

Logins

##MS.D

##MS.D

##MS.L

##MS.S

##MS.S

##MS.S

Administrator

Sessions

```
SELECT * FROM S_HREMPLOYEES sh

select sum(salary) as salary from S_HREMPLOYEES sh

select avg(salary) as avg, JOB_ID from S_HREMPLOYEES sh group by JOB_ID

select min(salary) as Minimum, max(salary) as maximum, DEPARTMENT_ID from S_HREMPLOYEES sh group by DEPARTMENT_ID

SELECT count(1),DEPARTMENT_ID from S_HREMPLOYEES sh group by DEPARTMENT_ID ;

-SELECT count(1), DEPARTMENT_ID from S_HREMPLOYEES sh WHERE DEPARTMENT_ID is NOT NULL
GROUP BY DEPARTMENT_ID having COUNT(1)>1
ORDER BY DEPARTMENT_ID
```

Results 1 x

select sum(salary) as salary from S_HREMPLOYEES

Grid

	salary
1	691,416

Text

Record

Save Cancel Script

IST en Writable Smart Insert 200 Rows: 1 1 row(s) fetched - 225ms, on 2022-09-08 at 10:56:35

72°F Cloudy

10:56 AM 9/8/2022

DBeeer 22.2.0 - <dlithe> Script-1

File Edit Navigate Search SQL Editor Database Window Help

SQL Commit Rollback Auto dlithe dbo@dlithe

Enter a part of c

dlithe - rewansole

Databases

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##MS.D

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Administrator

Sessions

```
SELECT * FROM S_HREMPLOYEES sh

select sum(salary) as salary from S_HREMPLOYEES sh

select avg(salary) as avg, JOB_ID from S_HREMPLOYEES sh group by JOB_ID
```

Results 1 x

select avg(salary) as avg, JOB_ID from S_HREMPLOYEES

Grid

	avg	JOB_ID
1	8,300	AC_ACCOUNT
2	12,008	AC_MGR
3	4,400	AD_ASST
4	24,000	AD_PRES
5	17,000	AD_VP
6	7,920	FL_ACCOUNT
7	12,008	FL_MGR
8	6,500	HR_REP
9	5,760	IT_PROG
10	13,000	MK_MAN
11	6,000	MK_REP
12	10,000	PR_REP
13	2,780	PU_CLERK
14	11,000	PU_MAN
15	12,200	SA_MAN
16	8,350	SA_REP
17	3,215	SH_CLERK
18	2,785	ST_CLERK
19	7,300	ST_MAN

Text

Record

Save Cancel Script

IST en Writable Smart Insert 200 Rows: 1 19 row(s) fetched - 299ms, on 2022-09-08 at 10:56:4

72°F Cloudy

10:56 AM 9/8/2022

DBBeaver 22.2.0 - <dlithe> Script-1

File Edit Navigate Search SQL Editor Database Window Help

SQL Commit Rollback Auto dlithe dbo@dlithe

<dlithe> Script *<dlithe> Script-1 x

```

SELECT * FROM S_HREMPLOYEES sh

select sum(salary) as salary from S_HREMPLOYEES sh

select avg(salary) as avg, JOB_ID from S_HREMPLOYEES sh group by JOB_ID

select min(salary) as Minimum, max(salary) as maximum, DEPARTMENT_ID from S_HREMPLOYEES sh group by DEPARTMENT_ID

```

Results 1 x

select min(salary) as Minimum, max(salary) as maximum, DEPARTMENT_ID from S_HREMPLOYEES sh group by DEPARTMENT_ID

	Minimum	maximum	DEPARTMENT_ID
1	7,000	7,000	[NULL]
2	4,400	4,400	10
3	6,000	13,000	20
4	2,500	11,000	30
5	6,500	6,500	40
6	2,100	8,200	50
7	4,200	9,000	60
8	10,000	10,000	70
9	6,100	14,000	80
10	17,000	24,000	90
11	6,900	12,008	100
12	8,300	12,008	110

Save Cancel Script 200 12 Rows: 1 12 row(s) fetched - 260ms, on 2022-09-08 at 10:57:0

72°F Cloudy 10:57 AM 9/8/2022

DBBeaver 22.2.0 - <dlithe> Script-1

File Edit Navigate Search SQL Editor Database Window Help

SQL Commit Rollback Auto dlithe dbo@dlithe

<dlithe> Script *<dlithe> Script-1 x

```

SELECT * FROM S_HREMPLOYEES sh

select sum(salary) as salary from S_HREMPLOYEES sh

select avg(salary) as avg, JOB_ID from S_HREMPLOYEES sh group by JOB_ID

select min(salary) as Minimum, max(salary) as maximum, DEPARTMENT_ID from S_HREMPLOYEES sh group by DEPARTMENT_ID

SELECT count(1),DEPARTMENT_ID from S_HREMPLOYEES sh group by DEPARTMENT_ID ;

```

Results 1 x

SELECT count(1),DEPARTMENT_ID from S_HREMPLOYEES sh group by DEPARTMENT_ID

	count(1)	DEPARTMENT_ID
1	1	[NULL]
2	1	10
3	2	20
4	6	30
5	1	40
6	45	50
7	5	60
8	1	70
9	34	80
10	3	90
11	6	100
12	2	110

Save Cancel Script 200 12 Rows: 1 12 row(s) fetched - 260ms, on 2022-09-08 at 10:57:1

72°F Cloudy 10:57 AM 9/8/2022