

```
MariaDB [utkarsh2cse14]> SELECT DATEDIFF(LAST_DAY(CONCAT(YEAR(CURDATE()), '-12-01')), CURDATE()) AS Days_Remaining;
+-----+
| Days_Remaining |
+-----+
|          308 |
+-----+
1 row in set (0.001 sec)
```

```
MariaDB [utkarsh2cse14]> SELECT MAX(SAL) AS Highest_Salary,
->      MIN(SAL) AS Lowest_Salary,
->      (MAX(SAL) - MIN(SAL)) AS Difference
-> FROM EMPLOYEE;
```

Highest_Salary	Lowest_Salary	Difference
6050.00	968.00	5082.00

```
1 row in set (0.001 sec)
```

```
MariaDB [utkarsh2cse14]> SELECT * FROM EMPLOYEE
-> WHERE COMM > (0.25 * SAL);
```

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
7521	WARD	SALESMAN	7698	1981-02-22	1250.00	500.00	30
7654	MARTIN	SALESMAN	7698	1981-09-28	1250.00	1400.00	30

```
2 rows in set (0.001 sec)
```

```
MariaDB [utkarsh2cse14]> SELECT ENAME, CONCAT('$ ', FORMAT(SAL, 2)) AS Salary_In_Dollars
-> FROM EMPLOYEE;
```

ENAME	Salary_In_Dollars
SMITH	\$968.00
ALLEN	\$1,600.00
WARD	\$1,250.00
JONES	\$3,599.75
MARTIN	\$1,250.00
BLAKE	\$3,448.50
CLARK	\$2,964.50
SCOTT	\$3,630.00
KING	\$6,050.00
TURNER	\$1,815.00
ADAMS	\$1,331.00
JAMES	\$1,149.50
FORD	\$3,630.00
MILLER	\$1,573.00

14 rows in set (0.001 sec)

```
MariaDB [utkarsh2cse14]> SELECT JOB,
-> SUM(CASE WHEN DEPTNO = 10 THEN SAL ELSE 0 END) AS Dept_10,
-> SUM(CASE WHEN DEPTNO = 20 THEN SAL ELSE 0 END) AS Dept_20,
-> SUM(CASE WHEN DEPTNO = 30 THEN SAL ELSE 0 END) AS Dept_30,
-> SUM(SAL) AS Total_Salary
-> FROM EMPLOYEE
-> GROUP BY JOB;
```

JOB	Dept_10	Dept_20	Dept_30	Total_Salary
ANALYST	0.00	7260.00	0.00	7260.00
CLERK	1573.00	2299.00	1149.50	5021.50
MANAGER	2964.50	3599.75	3448.50	10012.75
PRESIDENT	6050.00	0.00	0.00	6050.00
SALESMAN	0.00	0.00	5915.00	5915.00

5 rows in set (0.001 sec)

```

MariaDB [utkarsh2cse14]> SELECT COUNT(*) AS Total_Employees,
-> COUNT(CASE WHEN YEAR(HIREDATE) = 1980 THEN 1 END) AS Hired_1980,
-> COUNT(CASE WHEN YEAR(HIREDATE) = 1981 THEN 1 END) AS Hired_1981,
-> COUNT(CASE WHEN YEAR(HIREDATE) = 1982 THEN 1 END) AS Hired_1982,
-> COUNT(CASE WHEN YEAR(HIREDATE) = 1983 THEN 1 END) AS Hired_1983
-> FROM EMPLOYEE;

```

Total_Employees	Hired_1980	Hired_1981	Hired_1982	Hired_1983
14	1	10	2	1

1 row in set (0.001 sec)

```

MariaDB [utkarsh2cse14]> SELECT DATE_SUB(LAST_DAY(CURDATE()), INTERVAL (WEEKDAY(LAST_DAY(CURDATE())) + 1) % 7 DAY) AS Last_Sunday;

```

Last_Sunday
2026-02-22

1 row in set (0.001 sec)

```

MariaDB [utkarsh2cse14]> SELECT DEPTNO, COUNT(*) AS Total_Employees

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-> FROM EMPLOYEE
-> GROUP BY DEPTNO;

```

DEPTNO	Total_Employees
10	3
20	5
30	6

3 rows in set (0.001 sec)

```

MariaDB [utkarsh2cse14]> SELECT JOB, COUNT(*) AS Total_Employees

```

```

-> FROM EMPLOYEE
-> GROUP BY JOB;

```

JOB	Total_Employees
ANALYST	2
CLERK	4
MANAGER	3
PRESIDENT	1
SALESMAN	4

5 rows in set (0.001 sec)

```
MariaDB [utkarsh2cse14]> SELECT DEPTNO, COUNT(*) AS Total_Employees
-> FROM EMPLOYEE
-> GROUP BY DEPTNO;
```

DEPTNO	Total_Employees
10	3
20	5
30	6

3 rows in set (0.001 sec)

```
MariaDB [utkarsh2cse14]> SELECT JOB, COUNT(*) AS Total_Employees
-> FROM EMPLOYEE
-> GROUP BY JOB;
```

JOB	Total_Employees
ANALYST	2
CLERK	4
MANAGER	3
PRESIDENT	1
SALESMAN	4

5 rows in set (0.001 sec)

```
MariaDB [utkarsh2cse14]> SELECT DEPTNO, SUM(SAL) AS Total_Dept_Salary
-> FROM EMPLOYEE
-> GROUP BY DEPTNO;
```

DEPTNO	Total_Dept_Salary
10	10587.50
20	13158.75
30	10513.00

3 rows in set (0.001 sec)