

```
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
-> 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)