

```
MariaDB [utkarsh2cse14]> SELECT EMPNO, ENAME, DEPTNO, CASE DEPTNO WHEN 10 THEN 'ACCOUNTING' WHEN 20 THEN 'RESEARCH' WHEN 30 THEN 'SALES' WHEN 40 THEN 'OPERATIONS' ELSE 'OTHERS' END AS DNAME FROM EMPLOYEE;
```

EMPNO	ENAME	DEPTNO	DNAME
7369	SMITH	20	RESEARCH
7499	ALLEN	30	SALES
7521	WARD	30	SALES
7566	JONES	20	RESEARCH
7654	MARTIN	30	SALES
7698	BLAKE	30	SALES
7782	CLARK	10	ACCOUNTING
7788	SCOTT	20	RESEARCH
7839	KING	10	ACCOUNTING
7844	TURNER	30	SALES
7876	ADAMS	20	RESEARCH
7900	JAMES	30	SALES
7902	FORD	20	RESEARCH
7934	MILLER	10	ACCOUNTING

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

```
MariaDB [utkarsh2cse14]> SELECT DATEDIFF(CURDATE(), '2000-01-01') AS Age_In_Days;
```

Age_In_Days
9553

```
1 row in set (0.000 sec)
```

```
MariaDB [utkarsh2cse14]> SELECT PERIOD_DIFF(DATE_FORMAT(CURDATE(), '%Y%m'), DATE_FORMAT('2000-01-01', '%Y%m')) AS Age_In_Months;
```

Age_In_Months
313

```
1 row in set (0.000 sec)
```

```
MariaDB [utkarsh2cse14]> SELECT DATE_FORMAT(CURDATE(), '%D %M %W %Y') AS Formatted_Date;
```

Formatted_Date
26th February Thursday 2026

```
1 row in set (0.000 sec)
```

```

MariaDB [utkarsh2cse14]> SELECT CONCAT(ENAME, ' has joined the company on ',
->      DATE_FORMAT(HIREDATE, '%W %D %M %Y')) AS 'Employee_Info'
-> FROM EMPLOYEE;

```

```

+-----+
| Employee_Info |
+-----+
| SMITH has joined the company on Wednesday 17th December 1980 |
| ALLEN has joined the company on Friday 20th February 1981 |
| WARD has joined the company on Sunday 22nd February 1981 |
| JONES has joined the company on Thursday 2nd April 1981 |
| MARTIN has joined the company on Monday 28th September 1981 |
| BLAKE has joined the company on Friday 1st May 1981 |
| CLARK has joined the company on Tuesday 9th June 1981 |
| SCOTT has joined the company on Thursday 9th December 1982 |
| KING has joined the company on Tuesday 17th November 1981 |
| TURNER has joined the company on Tuesday 8th September 1981 |
| ADAMS has joined the company on Sunday 12th June 1983 |
| JAMES has joined the company on Thursday 3rd December 1981 |
| FORD has joined the company on Thursday 3rd December 1981 |
| MILLER has joined the company on Saturday 23rd January 1982 |
+-----+

```

14 rows in set (0.001 sec)

```

MariaDB [utkarsh2cse14]> SELECT CONCAT(ENAME, ' has joined the company on ',
->      DATE_FORMAT(HIREDATE, '%W %D %M %Y')) AS 'Scott_Joining_Details'
-> FROM EMPLOYEE
-> WHERE ENAME = 'SCOTT';

```

```

+-----+
| Scott_Joining_Details |
+-----+
| SCOTT has joined the company on Thursday 9th December 1982 |
+-----+

```

1 row in set (0.001 sec)

```

MariaDB [utkarsh2cse14]> SELECT DATE_ADD(CURDATE(), INTERVAL (6 - WEEKDAY(CURDATE())) + 7) % 7 DAY) AS Next_Saturday;

```

```

+-----+
| Next_Saturday |
+-----+
| 2026-03-01 |
+-----+

```

1 row in set (0.000 sec)

MariaDB [utkarsh2cse14]> SELECT CURTIME() AS `Current_Time`;

Current_Time
14:51:57

1 row in set (0.000 sec)

MariaDB [utkarsh2cse14]> SELECT DATE_SUB(CURDATE(), INTERVAL 3 MONTH) AS Three_Months_Ago;

Three_Months_Ago
2025-11-26

1 row in set (0.000 sec)

MariaDB [utkarsh2cse14]> SELECT * FROM EMPLOYEE WHERE MONTH(HIREDATE) = 12;

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
7369	SMITH	CLERK	7902	1980-12-17	968.00	NULL	20
7788	SCOTT	ANALYST	7566	1982-12-09	3630.00	NULL	20
7900	JAMES	CLERK	7698	1981-12-03	1149.50	NULL	30
7902	FORD	ANALYST	7566	1981-12-03	3630.00	NULL	20

4 rows in set (0.001 sec)

MariaDB [utkarsh2cse14]> SELECT *, CONCAT(LEFT(HIREDATE, 2), '-', RIGHT(SAL, 2)) AS Custom_String FROM EMPLOYEE;

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO	Custom_String
7369	SMITH	CLERK	7902	1980-12-17	968.00	NULL	20	19-00
7499	ALLEN	SALESMAN	7698	1981-02-20	1600.00	300.00	30	19-00
7521	WARD	SALESMAN	7698	1981-02-22	1250.00	500.00	30	19-00
7566	JONES	MANAGER	7839	1981-04-02	3599.75	NULL	20	19-75
7654	MARTIN	SALESMAN	7698	1981-09-28	1250.00	1400.00	30	19-00
7698	BLAKE	MANAGER	7839	1981-05-01	3448.50	NULL	30	19-50
7782	CLARK	MANAGER	7839	1981-06-09	2964.50	NULL	10	19-50
7788	SCOTT	ANALYST	7566	1982-12-09	3630.00	NULL	20	19-00
7839	KING	PRESIDENT	NULL	1981-11-17	6050.00	NULL	10	19-00
7844	TURNER	SALESMAN	7698	1981-09-08	1815.00	0.00	30	19-00
7876	ADAMS	CLERK	7788	1983-06-12	1331.00	NULL	20	19-00
7900	JAMES	CLERK	7698	1981-12-03	1149.50	NULL	30	19-50
7902	FORD	ANALYST	7566	1981-12-03	3630.00	NULL	20	19-00
7934	MILLER	CLERK	7782	1982-01-23	1573.00	NULL	10	19-00

14 rows in set (0.001 sec)

MariaDB [utkarsh2cse14]> SELECT * FROM EMPLOYEE WHERE (SAL * 0.10) = YEAR(HIREDATE);
Empty set (0.001 sec)

MariaDB [utkarsh2cse14]> SELECT * FROM EMPLOYEE
-> WHERE DAY(HIREDATE) < 15;

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
7566	JONES	MANAGER	7839	1981-04-02	3599.75	NULL	20
7698	BLAKE	MANAGER	7839	1981-05-01	3448.50	NULL	30
7782	CLARK	MANAGER	7839	1981-06-09	2964.50	NULL	10
7788	SCOTT	ANALYST	7566	1982-12-09	3630.00	NULL	20
7844	TURNER	SALESMAN	7698	1981-09-08	1815.00	0.00	30
7876	ADAMS	CLERK	7788	1983-06-12	1331.00	NULL	20
7900	JAMES	CLERK	7698	1981-12-03	1149.50	NULL	30
7902	FORD	ANALYST	7566	1981-12-03	3630.00	NULL	20

8 rows in set (0.001 sec)

```
MariaDB [utkarsh2cse14]> SELECT EMPNO, ENAME, HIREDATE FROM EMPLOYEE  
-> WHERE DAY(HIREDATE) < 15;
```

EMPNO	ENAME	HIREDATE
7566	JONES	1981-04-02
7698	BLAKE	1981-05-01
7782	CLARK	1981-06-09
7788	SCOTT	1982-12-09
7844	TURNER	1981-09-08
7876	ADAMS	1983-06-12
7900	JAMES	1981-12-03
7902	FORD	1981-12-03

8 rows in set (0.001 sec)

```
MariaDB [utkarsh2cse14]> SELECT * FROM EMPLOYEE WHERE DAY(HIREDATE) = DEPTNO;  
Empty set (0.001 sec)
```