

```
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)
```