```
MySQL [Vishnu_Tyagi_2CSE9]> SELECT
    ->      e.empno,
    ->      e.ename,
    ->      CASE e.deptno
    ->          WHEN 10 THEN 'RESEARCH'
    ->          WHEN 20 THEN 'ACCOUNTING'
    ->          WHEN 30 THEN 'SALES'
    ->          WHEN 40 THEN 'OPERATIONS'
    ->      END AS department
    -> FROM employee e;
+-------+--------+------------+
| empno | ename  | department |
+-------+--------+------------+
|  7369 | SMITH  | ACCOUNTING |
|  7499 | ALLEN  | SALES      |
|  7521 | WARD   | SALES      |
|  7566 | JONES  | ACCOUNTING |
|  7654 | MARTIN | SALES      |
|  7698 | BLAKE  | SALES      |
|  7782 | CLARK  | ACCOUNTING |
|  7788 | SCOTT  | OPERATIONS |
|  7839 | KING   | ACCOUNTING |
|  7844 | TURNER | SALES      |
|  7876 | ADAMS  | ACCOUNTING |
|  7900 | JAMES  | SALES      |
|  7902 | FORD   | ACCOUNTING |
|  7934 | MILLER | RESEARCH   |
+-------+--------+------------+
```

```
MySQL [Vishnu_Tyagi_2CSE9]> SELECT DATEDIFF(CURDATE(), '2000-01-01') AS age_in_days;
+-------------+
| age_in_days |
+-------------+
|        9553 |
+-------------+
```

```
MySQL [Vishnu_Tyagi_2CSE9]> SELECT TIMESTAMPDIFF(MONTH, '2000-01-01', CURDATE()) AS age_in_months;
+---------------+
| age_in_months |
+---------------+
|           313 |
+---------------+
```

```
MySQL [Vishnu_Tyagi_2CSE9]> SELECT DATE_FORMAT('1997-08-15', '%D %M %W %Y') AS formatted_date;
+------------------------+
| formatted_date         |
+------------------------+
| 15th August Friday 1997 |
+------------------------+
```

```
MySQL [Vishnu_Tyagi_2CSE9]> SELECT CONCAT(
    ->          ename,' has joined the company on ',
    ->          DATE_FORMAT(hiredate,'%W %D %M %Y')
    ->      ) AS joining_info FROM employee
    -> WHERE ename = 'SCOTT';
+------------------------------------------------------------+
| joining_info                                               |
+------------------------------------------------------------+
| SCOTT has joined the company on Thursday 9th December 1982 |
+------------------------------------------------------------+
```

```
MySQL [Vishnu_Tyagi_2CSE9]> SELECT DATE_ADD(CURDATE(), INTERVAL (7 - DAYOFWEEK(CURDATE())) DAY) AS next_saturday;
+---------------+
| next_saturday |
+---------------+
| 2026-02-28    |
+---------------+
```

```
MySQL [Vishnu_Tyagi_2CSE9]> SELECT CURTIME();
+-----------+
| CURTIME() |
+-----------+
| 10:14:37  |
+-----------+
```

```
MySQL [Vishnu_Tyagi_2CSE9]> SELECT DATE_SUB(CURDATE(), INTERVAL 3 MONTH);
+--------------------------------------+
| DATE_SUB(CURDATE(), INTERVAL 3 MONTH) |
+--------------------------------------+
| 2025-11-26                           |
+--------------------------------------+
```

```
MySQL [Vishnu_Tyagi_2CSE9]> SELECT ename, hiredate FROM employee
[    -> WHERE MONTH(hiredate) = 12;
+-------+------------+
| ename | hiredate   |
+-------+------------+
| SMITH | 1980-12-17 |
| SCOTT | 1982-12-09 |
| JAMES | 1981-12-03 |
| FORD  | 1981-12-03 |
+-------+------------+
```

```
MySQL [Vishnu_Tyagi_2CSE9]> SELECT ename FROM employee
    -> WHERE LEFT(YEAR(hiredate),2) = RIGHT(sal,2);
Empty set (0.001 sec)
```

```
MySQL [Vishnu_Tyagi_2CSE9]> SELECT ename FROM employee
[    -> WHERE sal * 0.10 = YEAR(hiredate);
Empty set (0.001 sec)
```

```
MySQL [Vishnu_Tyagi_2CSE9]> SELECT ename, hiredate FROM employee
    -> WHERE DAY(hiredate) < 15;
+--------+------------+
| ename  | hiredate   |
+--------+------------+
| JONES  | 1981-04-02 |
| BLAKE  | 1981-05-01 |
| CLARK  | 1981-06-09 |
| SCOTT  | 1982-12-09 |
| TURNER | 1981-09-08 |
| ADAMS  | 1983-01-12 |
| JAMES  | 1981-12-03 |
| FORD   | 1981-12-03 |
+--------+------------+
```

```
MySQL [Vishnu_Tyagi_2CSE9]> SELECT ename FROM employee
[    -> WHERE DAY(hiredate) = deptno;
Empty set (0.001 sec)
```