1. Find year from date

```
SELECT YEAR('2024/07/16');
2024
```

2. Check whether date passed to query is of given format or not

```
SELECT DATE('07/07/2024');
```

NULL

- 3. Find the size of the SCHEMA/USER.
- 4. Display the current time

```
SELECT CURTIME();
```

15:08:25

5. Given a date retrieve next day's date

```
select date_add('2003/12/11', interval 1 day);
```

2003-12-12

6. Get database date

```
SELECT CURDATE();
```

2024-07-25

7. Returns the default(current) database name.

```
select database();
```

NULL

8 Retrieve the current MySQL user name and host name.

9. Find the string that tells the MySQL server version.

SELECT VERSION();

8.0.36-0ubuntu0.20.04.1

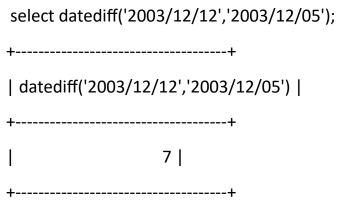
10. Perform Bitwise OR, Bitwise XOR and Bitwise AND

+----+ | 3&4 | 3|4 | 3^4 | +----+ | 0 | 7 | 7 |

+----+

select 3&4, 3|4, 3^4;

11. Find the difference between two dates and print in terms of the number of
days.



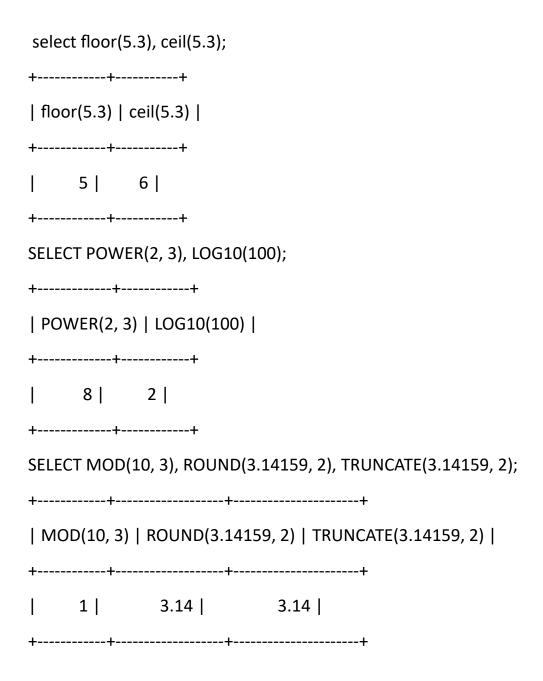
12. Add one day to the current date.

```
SELECT DATE_ADD(CURDATE(), INTERVAL 1 DAY) AS NextDay;
+-----+
| NextDay |
+-----+
| 2024-07-26 |
+-----+
```

13. Add two hours and 5000 minutes to the current date and print the new date.

```
SELECT ADDTIME(NOW(), "2:50");
+-----+
| ADDTIME(NOW(), "2:50") |
+----+
| 2024-07-25 18:15:38 |
+-----+
```

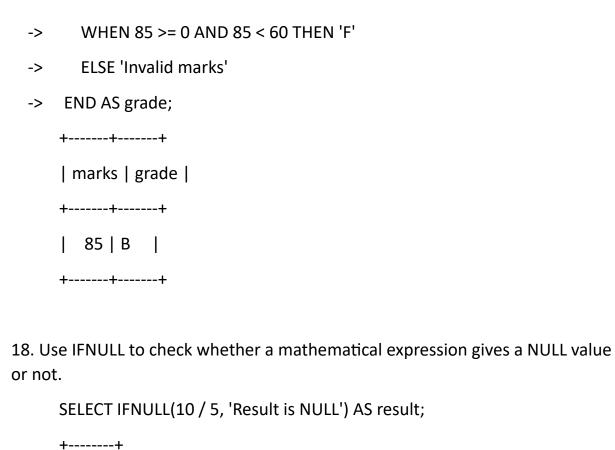
14. Find the floor and ceil values of a floating point number. Also operate on the power, log, modulus, round off and truncate functions.



15. In the first name of the employee, match the following using regular expressions.

SELECT CASE

WHEN 'Alice' REGEXP '^a' THEN 'Name starts with a'
ELSE 'Name does not start with a'
END AS result;
++
result
++
Name starts with a
++
16. Compare two strings and print the value 'yes' if they are equal, else print 'no'.
SELECT CASE WHEN 'apple' = 'banana' THEN 'yes' ELSE 'no' END AS result;
++
result
++
no
++
17. Simulate the "IF ELSE" construct in MySQL for a mark and grade setup.
-> SELECT
-> 85 AS marks,
-> CASE
-> WHEN 85 >= 90 AND 85 <= 100 THEN 'A'
-> WHEN 85 >= 80 AND 85 < 90 THEN 'B'
-> WHEN 85 >= 70 AND 85 < 80 THEN 'C'
-> WHEN 85 >= 60 AND 85 < 70 THEN 'D'



| result |

+----+

| 2.0000 |

+----+