

1 row in set, 1 warning (0.00 sec) mysql> SELECT STR\_TO\_DATE("5,August,2017",'%e,%M,%Y') AS VALID; +----+ | VALID | +----+ | 2017-08-05 | +----+ 1 row in set (0.00 sec) c. Find the size of the SCHEMA/USER. mysql> SELECT table\_schema "DB Name", -> ROUND(SUM(data\_length + index\_length) / 1024 / 1024, 1) "DB Size in MB" -> FROM information\_schema.tables -> GROUP BY table\_schema; +----+ | DB Name | DB Size in MB | +----+ |mysql | 2.6| | information\_schema | 0.0 | performance\_schema | 0.0 | 0.0| sys |DBMSLAB1 | 0.1| +----+

5 rows in set (0.10 sec)

d. Display the current time.
mysql> SELECT CURTIME();
++
CURTIME()
++
13:05:28
++
1 row in set (0.00 sec)
e. Given a date, retrieve the next day's date.
mysql> SELECT ADDDATE('2003-12-2',INTERVAL 1 DAY);
++
ADDDATE('2003-12-2',INTERVAL 1 DAY)
++
2003-12-03
++
1 row in set (0.00 sec)
,
f. Get database's date.
mysql> select curdate();
++

curdate()
++
2024-07-18
++
1 row in set (0.00 sec)
g. Returns the default(current) database name.
mysql> SELECT DATABASE();
++
DATABASE()
++
NULL
++
1 row in set (0.00 sec)
h. Retrieve the current MySQL user name and host name.
mysql> SELECT USER();
++
USER()
++
root@localhost
++
1 row in set (0.00 sec)

mysql> SELECT CURRENT_USER();
++
CURRENT_USER()
++
root@localhost
++
1 row in set (0.00 sec)
i. Find the string that tells the MySQL server version.
mysql> SELECT VERSION();
++
VERSION()
++
8.0.38
++
1 row in set (0.00 sec)
mysql> SELECT @@VERSION;
++
@@VERSION
++
8.0.38
++
1 row in set (0.00 sec)

## j. Perform Bitwise OR, Bitwise XOR and Bitwise AND.

```
mysql> SELECT 2|4;
+----+
| 2|4 |
+----+
| 6|
+----+
1 row in set (0.00 sec)
mysql> SELECT 2^4;
+----+
|2^4|
+----+
| 6|
+----+
1 row in set (0.00 sec)
mysql> SELECT 2&4;
+----+
| 2&4 |
+----+
| 0 |
+----+
1 row in set (0.00 sec)
```

k. Find the difference between two dates and print in terms of the number of days.
mysql> select datediff('2003-12-5','2003-12-2')+1;
++
datediff('2003-12-2','2003-12-5')
++
4
++
1 row in set (0.00 sec)
l. Add one day to the current date.
mysql> SELECT ADDDATE(CURDATE(),1);
++
ADDDATE(CURDATE(),1)
++
2024-07-26
++
1 row in set (0.00 sec)
m. Add two hours and 50 minutes to the current date and print the new date.
mysql> SELECT ADDTIME(NOW(),'2:50:00');
++
ADDTIME(NOW(), '2:50:00')

```
| 2024-07-25 16:04:54 |
+-----+
1 row in set (0.00 sec)
```

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

```
mysql> SELECT CEIL(2.33);
+----+
| CEIL(2.33) |
+----+
    3|
+----+
1 row in set (0.00 sec)
mysql> SELECT FLOOR(2.33);
+----+
| FLOOR(2.33) |
+----+
    2 |
+----+
1 row in set (0.00 sec)
mysql> SELECT POW(2,3);
+----+
| POW(2,3) |
+----+
```

```
8|
+----+
1 row in set (0.01 sec)
mysql> SELECT LOG(10);
+----+
|LOG(10) |
+----+
| 2.302585092994046 |
+----+
1 row in set (0.00 sec)
mysql> SELECT LOG10(10);
+----+
|LOG10(10)|
+----+
| 1|
+----+
1 row in set (0.00 sec)
mysql> SELECT MOD(24,7);
+----+
| MOD(24,7) |
+----+
   3|
+----+
1 row in set (0.00 sec)
mysql> SELECT ROUND(1.298,1);
```

```
+----+
| ROUND(1.298,1) |
+----+
     1.3|
+----+
1 row in set (0.00 sec)
mysql> SELECT TRUNCATE(1.298,1);
+----+
|TRUNCATE(1.298,1)|
+----+
| 1.2|
+----+
1 row in set (0.00 sec)
o. In the first name of the employee, match the following using regular expressions.
mysql> CREATE TABLE EMPLOYEE(first_name varchar(15),last_name varchar(15),city
char(15));
Query OK, 0 rows affected (0.10 sec)
mysql>INSERT INTO EMPLOYEE VALUES('Rahul','Anand','Bangaluru');
Query OK, 1 row affected (0.01 sec)
mysql>INSERT INTO EMPLOYEE VALUES('Ria', 'Suresh', 'Hosur');
Query OK, 1 row affected (0.01 sec)
```

, ,	VALUES('Dia','Khana','Hosur');
Query OK, 1 row affected (0.00 se	ec)
mysql> SELECT * FROM EMPLOY	EE WHERE first_name REGEXP '^R';
++	
first_name   last_name   city	
++	
Rahul  Anand  Bangaluru	
Ria  Suresh  Hosur	
++	
2 rows in set (0.01 sec)	
p. Compare two strings and pri	nt the value 'yes' if they are equal, else print 'no
mysql> SELECT IF(STRCMP('test'	,'test1'),'no','yes');
<b>+</b>	_
IF(STRCMP('test', 'test1'), 'no', 'ye	s')
IF(STRCMP('test','test1'),'no','ye	
+	
+	· ·
+	· ·
+	· ·
+	· ·
+	
+	· ·
+	

```
mysql> DELIMITER //
mysql> CREATE PROCEDURE check_grade(score INT)
 -> BEGIN
 -> DECLARE grade VARCHAR(10);
 -> IF score>=90 THEN
 -> SET grade='A';
 -> ELSEIF score>=80 THEN
 -> SET grade='B';
 -> ELSEIF score>=70 THEN
 -> SET grade='C';
 -> ELSE
 -> SET grade='F';
 -> END IF;
 -> SELECT grade;
 -> END//
Query OK, 0 rows affected (0.05 sec)
mysql> DELIMITER;
mysql> CALL check_grade(85);
+----+
|grade|
+----+
|B |
+----+
1 row in set (0.00 sec)
```

r. Use IFNULL to check whether a mathematical expression gives a NULL value or not.

mysql> SELECT IFNULL(NULL,67+NULL);
++
IFNULL(NULL,67+NULL)
++
NULL
++
1 row in set (0.00 sec)
mysql> SELECT IFNULL(6+7,NULL);
++
IFNULL(6+7,NULL)
++
13
++

1 row in set (0.00 sec)