mysql> show databases;

+--------------------+

| Database |

+--------------------+

| dummydb |

| hospitals |

| information\_schema |

| mysql |

| performance\_schema |

| sakila |

| sys |

| world |

| zoo |

+--------------------+

9 rows in set (0.08 sec)

mysql> #YYYY-MM-DD HH:MM:SS.SSSSSS

mysql> #DATE AND TIME FORMAT

mysql> #EPOC for MySQL is 1970-01-01 00:00:00

mysql> select curdate();

+------------+

| curdate() |

+------------+

| 2021-08-28 |

+------------+

1 row in set (0.04 sec)

mysql> select current\_date();

+----------------+

| current\_date() |

+----------------+

| 2021-08-28 |

+----------------+

1 row in set (0.00 sec)

mysql> select current\_time();

+----------------+

| current\_time() |

+----------------+

| 10:32:00 |

+----------------+

1 row in set (0.00 sec)

mysql> select sysdate();

+---------------------+

| sysdate() |

+---------------------+

| 2021-08-28 10:33:44 |

+---------------------+

1 row in set (0.03 sec)

mysql> select currenttimestamp();

ERROR 1046 (3D000): No database selected

mysql> currenttimestamp();

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'currenttimestamp()' at line 1

mysql> select curtime();

+-----------+

| curtime() |

+-----------+

| 10:34:37 |

+-----------+

1 row in set (0.00 sec)

mysql> select localtime();

+---------------------+

| localtime() |

+---------------------+

| 2021-08-28 10:34:48 |

+---------------------+

1 row in set (0.00 sec)

mysql> select now();

+---------------------+

| now() |

+---------------------+

| 2021-08-28 10:34:54 |

+---------------------+

1 row in set (0.00 sec)

mysql> use dummydb;

Database changed

mysql> select currenttimestamp();

ERROR 1305 (42000): FUNCTION dummydb.currenttimestamp does not exist

mysql> currenttimestamp();

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'currenttimestamp()' at line 1

mysql> select adddate('2021-08-28' , 7);

+---------------------------+

| adddate('2021-08-28' , 7) |

+---------------------------+

| 2021-09-04 |

+---------------------------+

1 row in set (0.00 sec)

mysql> select dateadd('2021-08-28' , 7);

ERROR 1305 (42000): FUNCTION dummydb.dateadd does not exist

mysql> select addtime('2021-08-28 22:02:45' , 1:12:00.5423);

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near ':12:00.5423)' at line 1

mysql> select time\_format('2021-08-28 10:39

'> select time\_format('2021-08-28 10:39:00' %r);

'> ;

'> '

-> r

-> ;

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near '2021-08-28 10:39:00' %r);

;

'

r' at line 2

mysql> select time\_format('2021-08-28 10:39:00' %r);

ERROR 1582 (42000): Incorrect parameter count in the call to native function 'time\_format'

mysql> select day("2021-08-28");

+-------------------+

| day("2021-08-28") |

+-------------------+

| 28 |

+-------------------+

1 row in set (0.04 sec)

mysql> select dayname("2021-08-28");

+-----------------------+

| dayname("2021-08-28") |

+-----------------------+

| Saturday |

+-----------------------+

1 row in set (0.02 sec)

mysql> select day(now());

+------------+

| day(now()) |

+------------+

| 28 |

+------------+

1 row in set (0.00 sec)

mysql> select dayname(now());

+----------------+

| dayname(now()) |

+----------------+

| Saturday |

+----------------+

1 row in set (0.00 sec)

mysql> select dayofweek(now());

+------------------+

| dayofweek(now()) |

+------------------+

| 7 |

+------------------+

1 row in set (0.00 sec)

mysql> select dayofweek('2021-08-27');

+-------------------------+

| dayofweek('2021-08-27') |

+-------------------------+

| 6 |

+-------------------------+

1 row in set (0.00 sec)

mysql> select dayofweek('2021-08-29');

+-------------------------+

| dayofweek('2021-08-29') |

+-------------------------+

| 1 |

+-------------------------+

1 row in set (0.00 sec)

mysql> select dayofmonth(now());

+-------------------+

| dayofmonth(now()) |

+-------------------+

| 28 |

+-------------------+

1 row in set (0.00 sec)

mysql> select dayofmonth(20210828);

+----------------------+

| dayofmonth(20210828) |

+----------------------+

| 28 |

+----------------------+

1 row in set (0.00 sec)

mysql> select dayofyear(20210828);

+---------------------+

| dayofyear(20210828) |

+---------------------+

| 240 |

+---------------------+

1 row in set (0.03 sec)

mysql> select last\_day(20210828);

+--------------------+

| last\_day(20210828) |

+--------------------+

| 2021-08-31 |

+--------------------+

1 row in set (0.00 sec)

mysql> select month(20210828);

+-----------------+

| month(20210828) |

+-----------------+

| 8 |

+-----------------+

1 row in set (0.02 sec)

mysql> select monthname(20210828);

+---------------------+

| monthname(20210828) |

+---------------------+

| August |

+---------------------+

1 row in set (0.02 sec)

mysql> select monthname(20210828) as name;

+--------+

| name |

+--------+

| August |

+--------+

1 row in set (0.00 sec)

mysql> select monthname(20210828) as month;

+--------+

| month |

+--------+

| August |

+--------+

1 row in set (0.00 sec)

mysql> select weekday(20210828);

+-------------------+

| weekday(20210828) |

+-------------------+

| 5 |

+-------------------+

1 row in set (0.02 sec)

mysql> #makedate input -> year , day no.

mysql> select makedate(2021,240)

-> ;

+--------------------+

| makedate(2021,240) |

+--------------------+

| 2021-08-28 |

+--------------------+

1 row in set (0.00 sec)

mysql> select makedate(2021,-2);

+-------------------+

| makedate(2021,-2) |

+-------------------+

| NULL |

+-------------------+

1 row in set (0.00 sec)

mysql> select hour(now());

+-------------+

| hour(now()) |

+-------------+

| 10 |

+-------------+

1 row in set (0.00 sec)

mysql> select minute(now());

+---------------+

| minute(now()) |

+---------------+

| 50 |

+---------------+

1 row in set (0.00 sec)

mysql> select second(now());

+---------------+

| second(now()) |

+---------------+

| 1 |

+---------------+

1 row in set (0.00 sec)

mysql> select microsecond(now());

+--------------------+

| microsecond(now()) |

+--------------------+

| 0 |

+--------------------+

1 row in set (0.02 sec)

mysql> select hour(12:45:11.09987);

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near ':45:11.09987)' at line 1

mysql> select hour('12:45:11.09987');

+------------------------+

| hour('12:45:11.09987') |

+------------------------+

| 12 |

+------------------------+

1 row in set (0.00 sec)

mysql> select minute('12:45:11.09987');

+--------------------------+

| minute('12:45:11.09987') |

+--------------------------+

| 45 |

+--------------------------+

1 row in set (0.00 sec)

mysql> select second('12:45:11.09987');

+--------------------------+

| second('12:45:11.09987') |

+--------------------------+

| 11 |

+--------------------------+

1 row in set (0.00 sec)

mysql> select microsecond('12:45:11.09987');

+-------------------------------+

| microsecond('12:45:11.09987') |

+-------------------------------+

| 99870 |

+-------------------------------+

1 row in set (0.00 sec)

mysql> select now();

+---------------------+

| now() |

+---------------------+

| 2021-08-28 10:53:03 |

+---------------------+

1 row in set (0.00 sec)

mysql> select sysdate();

+---------------------+

| sysdate() |

+---------------------+

| 2021-08-28 10:53:13 |

+---------------------+

1 row in set (0.00 sec)

mysql> select maketime(13,45,56);

+--------------------+

| maketime(13,45,56) |

+--------------------+

| 13:45:56 |

+--------------------+

1 row in set (0.00 sec)

mysql> #maketime format hr,min,sec

mysql> select adddate('2021-08-28' , INTERVAL 20 days);

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'days)' at line 1

mysql> select adddate('2021-08-28' , 20 days);

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'days)' at line 1

mysql> select adddate('2021-08-28' , 20 DAYs);

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'DAYs)' at line 1

mysql> select adddate('2021-08-28' , INTERVAL 20 years);

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'years)' at line 1

mysql> select adddate("2021-08-28" , INTERVAL 20 years);

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'years)' at line 1

mysql> select adddate("2021-08-28" ,20 years);

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'years)' at line 1

mysql> select datediff("2021-08-28" ,"2021-09-21");

+--------------------------------------+

| datediff("2021-08-28" ,"2021-09-21") |

+--------------------------------------+

| -24 |

+--------------------------------------+

1 row in set (0.02 sec)

mysql> select datediff("2021-08-28" ,"2022-08-28");

+--------------------------------------+

| datediff("2021-08-28" ,"2022-08-28") |

+--------------------------------------+

| -365 |

+--------------------------------------+

1 row in set (0.00 sec)

mysql> select datediff("2023-08-28" ,"2022-08-28");

+--------------------------------------+

| datediff("2023-08-28" ,"2022-08-28") |

+--------------------------------------+

| 365 |

+--------------------------------------+

1 row in set (0.00 sec)

mysql> select datediff("2023-08-28" ,20220828);

+----------------------------------+

| datediff("2023-08-28" ,20220828) |

+----------------------------------+

| 365 |

+----------------------------------+

1 row in set (0.00 sec)

mysql> select period\_add(210828,2);

ERROR 1210 (HY000): Incorrect arguments to period\_add

mysql> select period\_add(20210828,2);

ERROR 1210 (HY000): Incorrect arguments to period\_add

mysql> select date\_format(210828,"%y");

mysql> Select period\_add(201808,2);

+----------------------+

| period\_add(201808,2) |

+----------------------+

| 201810 |

+----------------------+

1 row in set (0.00 sec)

mysql> Select period\_add(201808,-2);

+-----------------------+

| period\_add(201808,-2) |

+-----------------------+

| 201806 |

+-----------------------+

1 row in set (0.00 sec)

mysql> select period\_diff(201908,201808);

+----------------------------+

| period\_diff(201908,201808) |

+----------------------------+

| 12 |

+----------------------------+

1 row in set (0.00 sec)

mysql> select period\_diff(201908,2018);

ERROR 1210 (HY000): Incorrect arguments to period\_diff

mysql>

mysql> select period\_diff(201908,202108);

+----------------------------+

| period\_diff(201908,202108) |

+----------------------------+

| -24 |

+----------------------------+

1 row in set (0.00 sec)

mysql> SELECT SUBDATE("2018-09-14", 30);

+---------------------------+

| SUBDATE("2018-09-14", 30) |

+---------------------------+

| 2018-08-15 |

+---------------------------+

1 row in set (0.00 sec)

mysql> SELECT SUBDATE("2018-09-74", 30);

+---------------------------+

| SUBDATE("2018-09-74", 30) |

+---------------------------+

| NULL |

+---------------------------+

1 row in set, 1 warning (0.00 sec)

mysql> /\*

/\*> --------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

/\*> \*/

mysql>

mysql> SELECT ADDTIME("2021-06-15 09:34:21", "2");

+-------------------------------------+

| ADDTIME("2021-06-15 09:34:21", "2") |

+-------------------------------------+

| 2021-06-15 09:34:23 |

+-------------------------------------+

1 row in set (0.00 sec)

mysql> SELECT ADDTIME("2021-08-13 10:34:21", "24:49");

+-----------------------------------------+

| ADDTIME("2021-08-13 10:34:21", "24:49") |

+-----------------------------------------+

| 2021-08-14 11:23:21 |

+-----------------------------------------+

1 row in set (0.00 sec)

mysql> SELECT ADDTIME("2021-08-13 10:34:21", "00:24:49");

+--------------------------------------------+

| ADDTIME("2021-08-13 10:34:21", "00:24:49") |

+--------------------------------------------+

| 2021-08-13 10:59:10 |

+--------------------------------------------+

1 row in set (0.00 sec)

mysql> SELECT SUBTIME("2029-07-18 10:24:21.000004", "5.000001");

+---------------------------------------------------+

| SUBTIME("2029-07-18 10:24:21.000004", "5.000001") |

+---------------------------------------------------+

| 2029-07-18 10:24:16.000003 |

+---------------------------------------------------+

1 row in set (0.00 sec)

mysql>

mysql> SELECT SUBTIME("2029-07-18 10:24:21.000004", "000001");

+-------------------------------------------------+

| SUBTIME("2029-07-18 10:24:21.000004", "000001") |

+-------------------------------------------------+

| 2029-07-18 10:24:20.000004 |

+-------------------------------------------------+

1 row in set (0.00 sec)

mysql> SELECT TIMEDIFF("13:10:11", "13:10:10");

+----------------------------------+

| TIMEDIFF("13:10:11", "13:10:10") |

+----------------------------------+

| 00:00:01 |

+----------------------------------+

1 row in set (0.00 sec)

mysql> SELECT TIMEDIFF("13:10:11", "13:10:18");

+----------------------------------+

| TIMEDIFF("13:10:11", "13:10:18") |

+----------------------------------+

| -00:00:07 |

+----------------------------------+

1 row in set (0.00 sec)

mysql> SELECT TIMEDIFF(131011, 131018);

+--------------------------+

| TIMEDIFF(131011, 131018) |

+--------------------------+

| -00:00:07 |

+--------------------------+

1 row in set (0.00 sec)

mysql> SELECT TIMEDIFF(25101001, 131018);

+----------------------------+

| TIMEDIFF(25101001, 131018) |

+----------------------------+

| NULL |

+----------------------------+

1 row in set, 1 warning (0.00 sec)

mysql> /\*

/\*> --------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

/\*> \*/

mysql> SELECT DATE\_FORMAT("2021-02-09", "%Y");

+---------------------------------+

| DATE\_FORMAT("2021-02-09", "%Y") |

+---------------------------------+

| 2021 |

+---------------------------------+

1 row in set (0.00 sec)

mysql> SELECT DATE\_FORMAT(now(), "%Y");

+--------------------------+

| DATE\_FORMAT(now(), "%Y") |

+--------------------------+

| 2021 |

+--------------------------+

1 row in set (0.00 sec)

mysql> SELECT DATE\_FORMAT("2021-02-09 00:00:01", "%D %b %Y%h:%i:%s %p");

+-----------------------------------------------------------+

| DATE\_FORMAT("2021-02-09 00:00:01", "%D %b %Y%h:%i:%s %p") |

+-----------------------------------------------------------+

| 9th Feb 202112:00:01 AM |

+-----------------------------------------------------------+

1 row in set (0.00 sec)

mysql> SELECT DATE\_FORMAT("2021-02-09 00:00:01", "%D %b %Y %h:%i:%s %p");

+--------------------------------------------------------------+

| DATE\_FORMAT("2021-02-09 00:00:01", "%D %b %Y %h:%i:%s %p") |

+--------------------------------------------------------------+

| 9th Feb 2021 12:00:01 AM |

+--------------------------------------------------------------+

1 row in set (0.00 sec)

mysql> SELECT DATE\_FORMAT("2021-02-09 00:00:01", "%D %b %y %h:%i:%s %p");

+--------------------------------------------------------------+

| DATE\_FORMAT("2021-02-09 00:00:01", "%D %b %y %h:%i:%s %p") |

+--------------------------------------------------------------+

| 9th Feb 21 12:00:01 AM |

+--------------------------------------------------------------+

1 row in set (0.00 sec)

mysql> SELECT DATE\_FORMAT("2020-03-29 15:00:01", "%D %b %y %T %p");

+--------------------------------------------------------+

| DATE\_FORMAT("2020-03-29 15:00:01", "%D %b %y %T %p") |

+--------------------------------------------------------+

| 29th Mar 20 15:00:01 PM |

+--------------------------------------------------------+

1 row in set (0.00 sec)

mysql> SELECT DATE\_FORMAT("2020-03-29 15:00:01", "%D %b %y %r");

+-----------------------------------------------------+

| DATE\_FORMAT("2020-03-29 15:00:01", "%D %b %y %r") |

+-----------------------------------------------------+

| 29th Mar 20 03:00:01 PM |

+-----------------------------------------------------+

1 row in set (0.00 sec)

mysql> SELECT DATE\_FORMAT("2021-02-09 00:00:01", "%D %F %Y (%W) %r");

+--------------------------------------------------------+

| DATE\_FORMAT("2021-02-09 00:00:01", "%D %F %Y (%W) %r") |

+--------------------------------------------------------+

| 9th F 2021 (Tuesday) 12:00:01 AM |

+--------------------------------------------------------+

1 row in set (0.00 sec)

mysql> SELECT DATE\_FORMAT("2020-03-29 15:00:01", "%D %M %Y (%W) %r");

+--------------------------------------------------------+

| DATE\_FORMAT("2020-03-29 15:00:01", "%D %M %Y (%W) %r") |

+--------------------------------------------------------+

| 29th March 2020 (Sunday) 03:00:01 PM |

+--------------------------------------------------------+

1 row in set (0.00 sec)

mysql>

mysql>

mysql> /\* TIME FORMAT! \*/

mysql>

mysql> SELECT TIME\_FORMAT("19:30:10", "%H %i %s");

+-------------------------------------+

| TIME\_FORMAT("19:30:10", "%H %i %s") |

+-------------------------------------+

| 19 30 10 |

+-------------------------------------+

1 row in set (0.00 sec)

mysql> SELECT TIME\_FORMAT(193010, "%H:%i:%s");

+---------------------------------+

| TIME\_FORMAT(193010, "%H:%i:%s") |

+---------------------------------+

| 19:30:10 |

+---------------------------------+

1 row in set (0.00 sec)

mysql> SELECT TIME\_FORMAT(193010, "%r");

+---------------------------+

| TIME\_FORMAT(193010, "%r") |

+---------------------------+

| 07:30:10 PM |

+---------------------------+

1 row in set (0.00 sec)

mysql> SELECT TIME\_FORMAT(193010, "%T %p");

+------------------------------+

| TIME\_FORMAT(193010, "%T %p") |

+------------------------------+

| 19:30:10 PM |

+------------------------------+

1 row in set (0.00 sec)

mysql> SELECT TIME\_FORMAT(193010, "%h:%i:%S %p");

+------------------------------------+

| TIME\_FORMAT(193010, "%h:%i:%S %p") |

+------------------------------------+

| 07:30:10 PM |

+------------------------------------+

1 row in set (0.00 sec)

mysql> SELECT TIME\_FORMAT(193010, "%h:%h:%h");

+---------------------------------+

| TIME\_FORMAT(193010, "%h:%h:%h") |

+---------------------------------+

| 07:07:07 |

+---------------------------------+

1 row in set (0.00 sec)

mysql> /\*

/\*> --------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------THE END

/\*> --------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

/\*> \*/

mysql> select sysdate();

+---------------------+

| sysdate() |

+---------------------+

| 2021-08-28 11:06:00 |

+---------------------+

1 row in set (0.01 sec)

mysql> select date(210828, "%Y");

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near ', "%Y")' at line 1

mysql> select date\_format(210828, "%Y");

+---------------------------+

| date\_format(210828, "%Y") |

+---------------------------+

| 2021 |

+---------------------------+

1 row in set (0.00 sec)

mysql> select date\_format(210828, "%Y %b");

+------------------------------+

| date\_format(210828, "%Y %b") |

+------------------------------+

| 2021 Aug |

+------------------------------+

1 row in set (0.00 sec)

mysql> notee