Ex.No 20

**STRING,NUMBER,DATE AND ADVANCED FUNCTIONS**

Questions

1.Execute some string functions

STRING FUNCTIONS

mysql> SELECT LCASE("SQL is ….!");

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

| LCASE("SQL is …..!") |

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

| sql is …..! |

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

1 row in set (0.00 sec)

mysql> SELECT ASCII(facname) from faculty;

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

| ASCII(facname) |

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

| 90 |

| 105 |

| 102 |

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

5 rows in set (0.10 sec)

mysql> SELECT CHAR\_LENGTH("DBMS") AS LengthOfString;

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

| LengthOfString |

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

| 4 |

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

1 row in set (0.00 sec)

mysql> SELECT CONCAT("SQL ", "is ", "….!") AS ConcatenatedString;

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

| ConcatenatedString |

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

| SQL is ….! |

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

1 row in set (0.01 sec)

mysql> SELECT FORMAT(250500.5634, 2);

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

| FORMAT(250500.5634, 2) |

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

| 250,500.56 |

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

1 row in set (0.10 sec)

mysql> SELECT INSERT("abc.com", 1, 8, "Example");

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

| INSERT("aaaaaaaaa.com", 1, 8, "Example") |

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

| Example.com |

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

1 row in set (0.00 sec)

mysql> SELECT LCASE("SQL IS EASY");

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

| LCASE("SQL IS EASY") |

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

| sql is easy |

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

1 row in set (0.00 sec)

mysql> SELECT LENGTH("SQL") AS LengthOfString;

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

| LengthOfString |

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

| 3 |

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

1 row in set (0.00 sec)

mysql> SELECT LTRIM(" SQL ");

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

| LTRIM(" SQL ") |

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

| SQL |

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

1 row in set (0.08 sec)

mysql> SELECT UCASE("saveetha university!");

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

| UCASE("saveetha university!") |

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

| SAVEETHA UNIVERSITY! |

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

1 row in set (0.00 sec)

mysql> SELECT TRIM(' SQL ') AS TrimmedString;

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

| TrimmedString |

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

| SQL |

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

1 row in set (0.00 sec)

mysql> SELECT STRCMP("SQL Tutorial", "SQL Tutorial");

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

| STRCMP("SQL Tutorial", "SQL Tutorial") |

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

| 0 |

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

1 row in set (0.05 sec)

mysql> SELECT STRCMP("SQL Tutorial", "SQL Tutial");

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

| STRCMP("SQL Tutorial", "SQL Tutial") |

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

| 1 |

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

1 row in set (0.00 sec)

mysql> SELECT REVERSE("SQL Tutorial");

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

| REVERSE("SQL Tutorial") |

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

| lairotuT LQS |

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

1 row in set (0.02 sec)

mysql> SELECT SUBSTR("SQL Tutorial", 5, 3) AS ExtractString;

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

| ExtractString |

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

| Tut |

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

1 row in set (0.00 sec)

2.Execute some numeric functions

mysql> SELECT ABS(-993.5);

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

| ABS(-993.5) |

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

| 993.5 |

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

1 row in set (0.04 sec)

mysql> SELECT COS(2);

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

| COS(2) |

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

| -0.4161468365471424 |

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

1 row in set (0.03 sec)

mysql> SELECT FLOOR(25.75);

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

| FLOOR(25.75) |

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

| 25 |

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

1 row in set (0.04 sec)

mysql> SELECT POWER(4, 2);

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

| POWER(4, 2) |

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

| 16 |

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

1 row in set (0.03 sec)

3.Date some numeric functions

mysql> SELECT ADDDATE("2018-06-15", INTERVAL 11 DAY);

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

| ADDDATE("2018-06-15", INTERVAL 11 DAY) |

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

| 2018-06-26 |

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

1 row in set (0.00 sec)

mysql> SELECT CURDATE();

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

| CURDATE() |

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

| 2022-09-22 |

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

1 row in set (0.00 sec)

mysql> SELECT CURRENT\_TIME();

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

| CURRENT\_TIME() |

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

| 11:16:13 |

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

1 row in set (0.00 sec)

mysql> SELECT DATEDIFF("2017-06-25", "2017-06-15");

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

| DATEDIFF("2017-06-25", "2017-06-15") |

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

| 10 |

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

1 row in set (0.00 sec)

mysql> SELECT DATE\_FORMAT("2017-06-15", "%Y");

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

| DATE\_FORMAT("2017-06-15", "%Y") |

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

| 2017 |

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

1 row in set (0.06 sec)

mysql> SELECT DAYOFMONTH("2017-06-15");

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

| DAYOFMONTH("2017-06-15") |

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

| 15 |

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

1 row in set (0.03 sec)

mysql> SELECT MONTHNAME("2017-06-15");

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

| MONTHNAME("2017-06-15") |

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

| June |

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

1 row in set (0.04 sec)

mysql> SELECT YEARWEEK("2017-06-15");

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

| YEARWEEK("2017-06-15") |

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

| 201724 |

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

1 row in set (0.00 sec)

4.Execute some advanced functions in SQL

mysql> SELECT CURRENT\_USER();

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

| CURRENT\_USER() |

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

| root@localhost |

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

1 row in set (0.00 sec)

mysql> SELECT VERSION();

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

| VERSION() |

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

| 5.5.62 |

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

1 row in set (0.04 sec)

mysql> SELECT DATABASE();

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

| DATABASE() |

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

| test |

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

1 row in set (0.00 sec)