**Ex.No : 20**

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

**Questions**

1.Execute some string functions.

STRING FUNCTIONS

mysql> SELECT LCASE('SQL tutorial is FUN!');

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

| LCASE('SQL tutorial is FUN!') |

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

| sql tutorial is fun! |

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

1 row in set (0.02 sec)

mysql> SELECT ASCII(fac\_name)from faculty;

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

| ASCII(fac\_name) |

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

| 68 |

| 114 |

| 114 |

| 103 |

| 112 |

| 100 |

| 107 |

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

7 rows in set (0.00 sec)

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

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

| LengthOfString |

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

| 8 |

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

1 row in set (0.00 sec)

mysql> SELECT CONCAT("SQL","Tutorial","is","fun!")AS ConcatenatedString;

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

| ConcatenatedString |

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

| SQLTutorialisfun! |

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

1 row in set (0.03 sec)

mysql> SELECT FORMAT(250500.5634,2);

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

| FORMAT(250500.5634,2) |

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

| 250,500.56 |

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

1 row in set (0.01 sec)

mysql> SELECT INSERT("aaaaaaaaa.com",1,9,"Example");

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

| INSERT("aaaaaaaaa.com",1,9,"Example") |

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

| Example.com |

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

1 row in set (0.05 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 Tutorial")AS LengthOfString;

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

| LengthOfString |

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

| 12 |

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

1 row in set (0.00 sec)

mysql> SELECT LTRIM(" SQLTutorial");

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

| LTRIM(" SQLTutorial") |

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

| SQLTutorial |

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

1 row in set (0.00 sec)

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

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

| UCASE("i like saveetha university!") |

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

| I LIKE SAVEETHA UNIVERSITY! |

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

1 row in set (0.00 sec)

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

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

| TrimmedString |

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

| SQL Tutorial |

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

1 row in set (0.00 sec)

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

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

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

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

| 0 |

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

1 row in set (0.00 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 (0.00 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 (0.00 sec)

mysql> SELECT COS(2);

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

| COS(2) |

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

| -0.4161468365471424 |

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

1 row in set (0.02 sec)

mysql> SELECT FLOOR(25.75);

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

| FLOOR(25.75) |

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

| 25 |

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

1 row in set (0.00 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("2018-07-22",INTERVAL 11 DAY);

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

| ADDDATE("2018-07-22",INTERVAL 11 DAY) |

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

| 2018-08-02 |

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

1 row in set (0.05 sec)

mysql> SELECT CURDATE();

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

| CURDATE() |

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

| 2022-09-22 |

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

1 row in set (0.03 sec)

mysql> SELECT CURRENT\_TIME();

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

| CURRENT\_TIME() |

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

| 19:09:48 |

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

1 row in set (0.00 sec)

mysql> SELECT DATEDIFF("2018-06-25","2018-06-15");

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

| DATEDIFF("2018-06-25","2018-06-15") |

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

| 10 |

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

1 row in set (0.00 sec)

mysql> SELECT DATE\_FORMAT("2018-06-15","%Y");

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

| DATE\_FORMAT("2018-06-15","%Y") |

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

| 2018 |

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

1 row in set (0.00 sec)

mysql> SELECT DAYOFMONTH("2018-06-25");

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

| DAYOFMONTH("2018-06-25") |

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

| 25 |

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

1 row in set (0.00 sec)

mysql> SELECT MONTHNAME("2022-09-08");

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

| MONTHNAME("2022-09-08") |

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

| September |

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

1 row in set (0.04 sec)

mysql> SELECT YEARWEEK("2018-06-07");

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

| YEARWEEK("2018-06-07") |

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

| 201822 |

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

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 (0.00 sec)

mysql> SELECT DATABASE();

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

| DATABASE() |

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

| test |

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

1 row in set (0.00 sec)