STRING FUNCTIONS

1) CHAR_LENGTH

=>MariaDB [avni_terminal]> SELECT CHAR_LENGTH("Avni Sangani") AS LengthOfString;

```
+----------------+
| LengthOfString |
+----------------+
|             12 |
+----------------+
```

1 row in set (0.000 sec)

2) ASCII

=>MariaDB [avni_terminal]> SELECT ASCII(c_name) AS NumCodeOfFirstChar FROM customer;

```
+--------------------+
| NumCodeOfFirstChar |
+--------------------+
|                 65 |
|                 65 |
|                 83 |
|                 75 |
|                 80 |
+--------------------+
```

5 rows in set (0.000 sec)

3) CHARACTER_LENGTH

=> MariaDB [avni_terminal]> SELECT CHARACTER_LENGTH("Avni Sangani") AS LengthOfString;

```
+----------------+
| LengthOfString |
+----------------+
|             12 |
+----------------+
```

1 row in set (0.000 sec)

4) CONCAT

=> MariaDB [avni_terminal]> SELECT CONCAT("Hello ", "I Am ", "avni ", "Sangani!") AS ConcatenatedString;

```
+--------------------------+
| ConcatenatedString       |
+--------------------------+
| Hello I Am  avni Sangani! |
+--------------------------+
```

1 row in set (0.000 sec)

5) FIELD

=> MariaDB [avni_terminal]> SELECT FIELD("Q", "s", "q", "l");

```
+--------------------------+
| FIELD("Q", "s", "q", "l") |
+--------------------------+
|                        2 |
```

```
+--------------------------+
```
1 row in set (0.000 sec)

6) FIND_IN_SET
=> MariaDB [avni_terminal]> SELECT FIND_IN_SET("q", "s,q,l");
```
+--------------------------+
| FIND_IN_SET("q", "s,q,l") |
+--------------------------+
|                        2 |
+--------------------------+
```
1 row in set (0.000 sec)

7) FORMAT
=> MariaDB [avni_terminal]> SELECT FORMAT(250500.5634, 3);
```
+-----------------------+
| FORMAT(250500.5634, 3) |
+-----------------------+
| 250,500.563           |
+-----------------------+
```
1 row in set (0.000 sec)

8) INSERT
=> MariaDB [avni_terminal]> SELECT INSERT("Avni_Sangani", 1, 4, "Avani");
```
+--------------------------------------+
| INSERT("Avni_Sangani", 1, 4, "Avani") |
+--------------------------------------+
| Avani_Sangani                        |
+--------------------------------------+
```
1 row in set (0.000 sec)

9) LEFT
=> MariaDB [avni_terminal]> SELECT LEFT("Hello World!!", 4) AS ExtractString;
```
+---------------+
| ExtractString |
+---------------+
| Hell          |
+---------------+
```
1 row in set (0.000 sec)

10) INSTR
=> MariaDB [avni_terminal]> SELECT INSTR("Avani", "n") AS MatchPosition;
```
+---------------+
| MatchPosition |
+---------------+
|             4 |
+---------------+
```
1 row in set (0.000 sec)

11) LCASE
=> MariaDB [avni_terminal]> SELECT LCASE("SQL Tutorial is FUN!");
```
+-----------------------------+
```

```
| LCASE("SQL Tutorial is FUN!") |
+------------------------------+
| sql tutorial is fun!          |
+------------------------------+
1 row in set (0.000 sec)
```

12) LENGTH
=> MariaDB [avni_terminal]> SELECT LENGTH("Avni Sangani") AS LengthOfString;

```
+----------------+
| LengthOfString |
+----------------+
|             12 |
+----------------+
1 row in set (0.000 sec)
```

13) LOCATE
=> MariaDB [avni_terminal]> SELECT LOCATE("n", "Avani Sangani") AS MatchPosition;

```
+---------------+
| MatchPosition |
+---------------+
|             4 |
+---------------+
1 row in set (0.000 sec)
```

14) LOWER
=> MariaDB [avni_terminal]> SELECT LOWER("Hello !");

```
+-----------------+
| LOWER("Hello !") |
+-----------------+
| hello !          |
+-----------------+
1 row in set (0.000 sec)
```

15) LPAD
=> MariaDB [avni_terminal]> SELECT LPAD("Avni Sangani", 20, "ABC");

```
+--------------------------------+
| LPAD("Avni Sangani", 20, "ABC") |
+--------------------------------+
| ABCABCABAvni Sangani            |
+--------------------------------+
1 row in set (0.000 sec)
```

16) LTRIM
=> MariaDB [avni_terminal]> SELECT LTRIM("   Avni Sangani") AS LeftTrimmedString;

```
+------------------+
| LeftTrimmedString |
+------------------+
| Avni Sangani      |
+------------------+
1 row in set (0.000 sec)
```

17) MID
=> MariaDB [avni_terminal]> SELECT MID("Avni Sangani", 5, 3) AS ExtractString;

```
+---------------+
| ExtractString |
+---------------+
| Sa            |
+---------------+
```
1 row in set (0.000 sec)

18) POSITION
=> MariaDB [avni_terminal]> SELECT POSITION("i" IN "avni Sangani") AS MatchPosition;

```
+---------------+
| MatchPosition |
+---------------+
|             4 |
+---------------+
```
1 row in set (0.000 sec)

19) REPEAT
=> MariaDB [avni_terminal]> SELECT REPEAT("Avni", 3);

```
+-------------------+
| REPEAT("Avni", 3) |
+-------------------+
| AvniAvniAvni      |
+-------------------+
```
1 row in set (0.000 sec)

20) REPLACE
=> MariaDB [avni_terminal]> SELECT REPLACE("Hello Avni", "Avni", "PHP");

```
+--------------------------------------+
| REPLACE("Hello Avni", "Avni", "PHP") |
+--------------------------------------+
| Hello PHP                            |
+--------------------------------------+
```
1 row in set (0.000 sec)

21) REVERSE
=> MariaDB [avni_terminal]> SELECT REVERSE("Avni Hello!!");

```
+------------------------+
| REVERSE("Avni Hello!!") |
+------------------------+
| !!olleH invA           |
+------------------------+
```
1 row in set (0.000 sec)

22) RIGHT

=> MariaDB [avni_terminal]> SELECT RIGHT("Avni Sangani Hello!", 4) AS ExtractString;

```
+--------------+
| ExtractString |
+--------------+
| llo!         |
+--------------+
```
1 row in set (0.000 sec)

23) RPAD

=> MariaDB [avni_terminal]> SELECT RPAD("Avni Sangani", 20, "ABC");

```
+-------------------------------+
| RPAD("Avni Sangani", 20, "ABC") |
+-------------------------------+
| Avni SanganiABCABCAB          |
+-------------------------------+
```
1 row in set (0.000 sec)

24) RTRIM

=> MariaDB [avni_terminal]> SELECT RTRIM("hello Avni   ") AS RightTrimmedString;

```
+-------------------+
| RightTrimmedString |
+-------------------+
| hello  Avni       |
+-------------------+
```
1 row in set (0.000 sec)

25) SPACE

=> MariaDB [avni_terminal]> SELECT SPACE(10);

```
+------------+
| SPACE(10)  |
+------------+
|            |
+------------+
```
1 row in set (0.000 sec)

26) STRCMP

=> MariaDB [avni_terminal]> SELECT STRCMP("Avni", "Avni");

```
+-----------------------+
| STRCMP("Avni", "Avni") |
+-----------------------+
|                     0 |
+-----------------------+
```
1 row in set (0.000 sec)

27) SUBSTR

=> MariaDB [avni_terminal]> SELECT SUBSTR("Avni Sangani", 5, 3) AS ExtractString;

```
+--------------+
| ExtractString |
+--------------+
| Sa           |
+--------------+
```

1 row in set (0.000 sec)

28) SUBSTRING
=> MariaDB [avni_terminal]> SELECT SUBSTRING("Avni Sangani", 5, 2) AS ExtractString;
```
+---------------+
| ExtractString |
+---------------+
| S             |
+---------------+
```
1 row in set (0.001 sec)

29) SUBSTRING_INDEX
=> MariaDB [avni_terminal]> SELECT SUBSTRING_INDEX("www.google.com", ".", 1);
```
+------------------------------------------+
| SUBSTRING_INDEX("www.google.com", ".", 1) |
+------------------------------------------+
| www                                      |
+------------------------------------------+
```
1 row in set (0.000 sec)

30) TRIM
=> MariaDB [avni_terminal]> SELECT TRIM('   Avni   ') AS TrimmedString;
```
+---------------+
| TrimmedString |
+---------------+
| Avni          |
+---------------+
```
1 row in set (0.000 sec)

31) UCASE
=> MariaDB [avni_terminal]> SELECT UCASE("Hello i am avni!!");
```
+---------------------------+
| UCASE("Hello i am avni!!") |
+---------------------------+
| HELLO I AM AVNI!!         |
+---------------------------+
```
1 row in set (0.000 sec)

32) UPPER
=> MariaDB [avni_terminal]> SELECT UPPER("hello i am avni sangani!");
```
+----------------------------------+
| UPPER("hello i am avni sangani!") |
+----------------------------------+
| HELLO I AM AVNI SANGANI!          |
+----------------------------------+
```
1 row in set (0.000 sec)

============================Date Functions============================
1)
=> MariaDB [avni_terminal]> SELECT CURRENT_DATE();
+----------------+
| CURRENT_DATE() |
+----------------+
| 2021-11-23 |
+----------------+
1 row in set (0.000 sec)

2)
=> MariaDB [avni_terminal]> SELECT CURRENT_TIME();
+----------------+
| CURRENT_TIME() |
+----------------+
| 12:14:07 |
+----------------+
1 row in set (0.000 sec)

3)
=> MariaDB [avni_terminal]> SELECT ADDDATE("2020-06-20", INTERVAL 11 DAY);
+--+
| ADDDATE("2020-06-20", INTERVAL 11 DAY) |
+--+
| 2020-07-01 |
+--+
1 row in set (0.000 sec)

4)
=> MariaDB [avni_terminal]> SELECT ADDTIME("2020-06-15 09:34:21", "2");
+------------------------------------+
| ADDTIME("2020-06-15 09:34:21", "2") |
+------------------------------------+
| 2020-06-15 09:34:23 |
+------------------------------------+
1 row in set (0.000 sec)

5)
=> MariaDB [avni_terminal]> SELECT DATE("2020-07-15");
+-------------------+
| DATE("2020-07-15") |
+-------------------+
| 2020-07-15 |
+-------------------+
1 row in set (0.000 sec)

6)
=> MariaDB [avni_terminal]> SELECT DATEDIFF("2020-06-25", "2020-06-15");
+-------------------------------------+
| DATEDIFF("2020-06-25", "2020-06-15") |
+-------------------------------------+

```
|                        10 |
+-----------------------------------+
1 row in set (0.000 sec)


7)
=> MariaDB [avni_terminal]> SELECT DAY("2020-12-15");
+-------------------+
| DAY("2020-12-15") |
+-------------------+
|              15 |
+-------------------+
1 row in set (0.000 sec)


8)
=> MariaDB [avni_terminal]> SELECT DAYNAME("2020-12-15");
+----------------------+
| DAYNAME("2020-12-15") |
+----------------------+
| Tuesday              |
+----------------------+
1 row in set (0.000 sec)


9)
=> MariaDB [avni_terminal]> SELECT DAYOFYEAR("2021-01-01");
+------------------------+
| DAYOFYEAR("2021-01-01") |
+------------------------+
|                     1 |
+------------------------+
1 row in set (0.000 sec)


10)
=> MariaDB [avni_terminal]> SELECT LOCALTIME();
+---------------------+
| LOCALTIME()         |
+---------------------+
| 2021-11-23 12:25:50 |
+---------------------+
1 row in set (0.000 sec)


11)
=> MariaDB [avni_terminal]> SELECT MAKEDATE(2020, 3);
+-------------------+
| MAKEDATE(2020, 3) |
+-------------------+
| 2020-01-03        |
+-------------------+
1 row in set (0.000 sec)
```

12)
=> MariaDB [avni_terminal]> SELECT NOW();
```
+---------------------+
| NOW()               |
+---------------------+
| 2021-11-23 12:28:51 |
+---------------------+
1 row in set (0.000 sec)
```

13)
=> MariaDB [avni_terminal]> SELECT PERIOD_ADD(201804, 5);
```
+-----------------------+
| PERIOD_ADD(201804, 5) |
+-----------------------+
|                201809 |
+-----------------------+
1 row in set (0.000 sec)
```

14)
=> MariaDB [avni_terminal]> SELECT QUARTER("2019-07-10");
```
+----------------------+
| QUARTER("2019-07-10") |
+----------------------+
|                    3 |
+----------------------+
1 row in set (0.000 sec)
```

15)
=> MariaDB [avni_terminal]> SELECT SECOND("2020-06-20 09:34:00.000023");
```
+-------------------------------------+
| SECOND("2020-06-20 09:34:00.000023") |
+-------------------------------------+
|                                   0 |
+-------------------------------------+
1 row in set (0.000 sec)
```

16)
=> MariaDB [avni_terminal]> SELECT SUBDATE("2017-06-15", INTERVAL 10 DAY);
```
+----------------------------------------+
| SUBDATE("2017-06-15", INTERVAL 10 DAY) |
+----------------------------------------+
| 2017-06-05                             |
+----------------------------------------+
1 row in set (0.000 sec)
```

17)
=> MariaDB [avni_terminal]> SELECT WEEK("2020-06-15");
```
+--------------------+
| WEEK("2020-06-15") |
+--------------------+
|                 24 |
+--------------------+
```

1 row in set (0.000 sec)

18)
=> MariaDB [avni_terminal]> SELECT WEEKDAY("2020-06-15");
+-----------------------+
| WEEKDAY("2020-06-15") |
+-----------------------+
| 0 |
+-----------------------+
1 row in set (0.000 sec)

19)
MariaDB [avni_terminal]> SELECT YEAR("2020-06-15");
+--------------------+
| YEAR("2020-06-15") |
+--------------------+
| 2020 |
+--------------------+
1 row in set (0.000 sec)

MariaDB [avni_terminal]> SELECT YEARWEEK("2017-06-15");
+------------------------+
| YEARWEEK("2017-06-15") |
+------------------------+
| 201724 |
+------------------------+
1 row in set (0.000 sec)

20)
=>MariaDB [avni_terminal]> SELECT TO_DAYS("2020-06-10");
+-----------------------+
| TO_DAYS("2020-06-10") |
+-----------------------+
| 737951 |
+-----------------------+
1 row in set (0.000 sec)