

## String Functions in SQL

- UPPER() function use to modify all text into upper case (Capital letter)

```
SELECT name, UPPER(name) FROM sql_cx_live.movies;
```

- LOWER() function use to modify all text into lower case (smaller letter)

```
SELECT name, LOWER(name) FROM sql_cx_live.movies;
```

- CONCAT() function use to add something in a specific column or more columns together

```
SELECT CONCAT(name, ',director:', director) FROM sql_cx_live.movies;
```

- CONCAT\_WS() function use to add particular separation between concated columns

```
SELECT CONCAT_WS('-', name, director) FROM sql_cx_live.movies;
```

- SUBSTR(col, start, end) function use to extract substring from our data ( column)

```
SELECT name, SUBSTR(name, 1, 3) FROM sql_cx_live.movies; -- extract  
how many letters need
```

- REPLACE("Sourov's Heart","Heart", "Hridhy" ) function use to replace any item by another item

```
SELECT REPLACE("Sourov's Heart","Heart", "Hridhy" );
```

```
SELECT name, REPLACE(name, "man", "woman") FROM  
sql_cx_live.movies;
```

- REVERSE() function use to reverse strings

```
SELECT name FROM sql_cx_live.movies
```

```
WHERE name = REVERSE(name) -- Palindrome check
```

```
;
```

- LENGTH() & CHAR\_LENGTH() function both are similar but there are a difference

- basically LENGTH() calculate both of character and little symbols, but CHAR\_LENGTH() only count characaters

```
SELECT name, LENGTH(name), CHAR_LENGTH(name) FROM  
sql_cx_live.movies
```

```
WHERE LENGTH(name) != CHAR_LENGTH(name);
```

- INSERT("I love Hridhy", 6, 0, "you")

```
SELECT INSERT("I love Hridhy", 7, 0, "you");
```

- LEFT() and RIGHT() function used to extract character from left or right side

```
SELECT name, LEFT(name, 3), RIGHT(name, 2) FROM  
sql_cx_live.movies;
```

- REPEAT() function repeat a particular item , for defined times

```
SELECT REPEAT(name, 3) FROM sql_cx_live.movies;
```

- TRIM() function use to delete unnecessary spaces

```
SELECT TRIM("      Hridhy      ");
```

```
SELECT TRIM(BOTH "-" FROM "-----Hridhy-----"); --  
delete -- items
```

```
SELECT TRIM(LEADING "." FROM ".....Sourov....."); --  
deleted left side all items
```

```
SELECT TRIM(TRAILING "." FROM "..... Hridhy.....");--  
deleted right side all items
```

- LTRIM() left side spaces trimming
- RTRIM() right side spaces trimming

- SUBSTRING\_INDEX("Hridhy. i love you ", ".", 1) similar to split() in pandas

```
SELECT SUBSTRING_INDEX("Hridhy. I love you my heart", ".",1); --  
output Hridhy
```

```
SELECT SUBSTRING_INDEX("Hridhy. I love you my .heart", ".",-1); --  
output heart
```

- STRCMP() function returns an integer that indicates the relationship between the two strings

```
SELECT STRCMP("Sourov", "Hridhy");
```

- LOCATE() function use to find the index number from where a particular word start

```
SELECT LOCATE("w", "hello world");
```

- LPAD() & RPAD()

```
SELECT LPAD('01940968196',14, '+88'); -- output : +8801940968196
```

```
SELECT RPAD('01940968196',14, '+88'); -- output : 01940968196+88
```