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# STRING FUNCTIONS IN SQL

SQL Series Part 7

-Mayuri Dandekar

# STRING FUNCTIONS

String functions are used to perform an **operation on input string** and return an output string.

- **UPPER()** converts the value of a field to uppercase
- **LOWER()** converts the value of a field to lowercase
- **LENGTH()** returns the length of the value in a text field
- **SUBSTRING()** extracts a substring from a string
- **NOW()** returns the current system date and time
- **FORMAT()** used to set the format of a field
- **CONCAT()** adds two or more strings together
- **REPLACE()** Replaces all occurrences of a substring within a string, with a new substring
- **TRIM()** removes leading and trailing spaces (or other specified characters) from a string

# STRING FUNCTIONS – UPPER() AND LOWER()

```
3 • SELECT UPPER("mayuri dandekar") as upper;
```

```
4
```

<	
Result Grid	Filter Rows: <input type="text"/>   Export:    Wrap Cell Content:
	upper
▶	MAYURI DANDEKAR

```
3 • SELECT LOWER("MAYuri daNDEKar") as Lower;
```

```
4
```

<	
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	Lower
▶	mayuri dandekar
▼	

## STRING FUNCTIONS – LENGTH()

4

5 • `SELECT length("MAYURI DANDEKAR") AS LENGTH;`

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Result Grid



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	LENGTH
▶	15

# STRING FUNCTIONS – SUBSTRING()

```
6
7  -- SUBSTRING (string_expression, start, length) -
8 • SELECT SUBSTRING('Hello', 1, 4) as result;
```

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Result Grid	
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	result
▶	Hell

# STRING FUNCTIONS – NOW()

```
10  -- current date and time --  
11 • select now() as date;
```

Result Grid



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Wrap

	date
▶	2024-04-24 23:47:44

# STRING FUNCTIONS – CONCAT()

12

13 • `SELECT CONCAT('Hello', 'World') as result;`

<

Result Grid



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	result
▶	HelloWorld

## STRING FUNCTIONS – REPLACE()

```
14
15  -- REPLACE(String to search,search for,replace with) --
16  SELECT REPLACE("string facts","facts","functions")
17      as result;
```

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Result Grid



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	result
▶	string functions



## STRING FUNCTIONS – TRIM()

```
19 • SELECT trim(" HELLO world... ") as result;
```

&lt;

Result Grid



Filter Rows:

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	result
▶	HELLO world...

```
19 • SELECT rtrim(" HELLO world... ") as result; -- right space --  
20 -- SELECT ltrim(" HELLO world... ") as result; -- left space --
```

&lt;

Result Grid



Filter Rows:

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	result
▶	HELLO world...



# THANK YOU!!!

SQL Series Part 7

-Mayuri Dandekar