

Limit to 1000 rows

```

1  -- CONCAT FUNCTION
2  -- SELECT CONCAT(author_fname, ' ', author_lname) AS full_author_name FROM books
3  -- SELECT CONCAT_WS(' ', author_fname, author_lname) AS full_author_name FROM books
4  -- SELECT CONCAT_WS('-', author_fname, author_lname) AS full_author_name FROM books
5  • describe books
6  -- CONCAT AND SUBSTRING FUNCTION
7  ✖ USE book_shop_string_functions
8  select * from books
9  -- 1. GET THE INITIALS OF THE AUTHORS COMBINED IN ONE COLUMN
10 select CONCAT(SUBSTRING(author_fname, 1, 1), '.', SUBSTRING(author_lname, 1, 1), '.') AS author_F_N FROM books
11

```

Result Grid

author_F_N
J.L.
N.G.
N.G.
J.L.
D.E.

Result 10 x Read Only

Limit to 1000 rows

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12 -- CHAR_LENGTH FUNCTION counts the characters in a column value
13 -- SELECT author_lname, CHAR_LENGTH(author_lname) AS 'length' FROM books
14
15 -- REPLACE FUNCTION replaces a certain part of a column value
16 -- SELECT REPLACE(title, 'e', '3') FROM books
17 -- SELECT REPLACE(title, ' ', '-') FROM books
18
19 -- LOWER and UPPER FUNCTIONS
20 select LOWER(RIGHT(author_lname, 3)) from books
21
22

```

Result Grid

lower(RIGHT(author_lname, 3))
iri
man
man
iri

```

22  -- SUBSTRING_INDEX FUNTCION IN MYSQL SPLIT THE STRINGS. SPLIT_PART is instead used in PosteGre SQL
23  SELECT SUBSTRING_INDEX(title, ' ', 1) from books
24

```

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	SUBSTRING_INDEX(title, ' ', 1)			
▶	The			
	Norse			
	American			
	Interpreter			

```

28  -- 2. Replace spaces in the title column with '->'
29  SELECT REPLACE(title, ' ', '->') AS spaces_replaced FROM books
30
31
32

```

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	spaces_replaced			
▶	The->Namesake			
	Norse->Mythology			
	American->Gods			
	Interpreter->of->Maladies			
	A->Hologram->for->the->King->A->Novel			

```

31  -- 3. Get the full name capitalised of the authors
32  SELECT CONCAT_WS(' ', UPPER(author_fname), UPPER(author_lname)) AS author_FN FROM books
33  SELECT UPPER(CONCAT(author_fname, ' ', author_lname)) AS author_FN FROM books
34



```

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	author_FN			
▶	JHUMPA LAHIRI			
	NEIL GAIMAN			
	NEIL GAIMAN			
	JHUMPA LAHIRI			
	DAVE EGGERS			

```

35  -- 4. Make this happen
36  SELECT CONCAT(SUBSTRING(title, 1, 10), '...') AS short_title,
37  CONCAT_WS(', ', author_lname, author_fname) AS author_FN,
38  CONCAT(stock_quantity, ' ', 'in', ' ', 'stock') AS quantity_in_stock
39  FROM books
40
41

```

Result Grid			
Filter Rows: <input type="text"/>			
Export: 			
Wrap Cell Content: 			
	short_title	author_FN	quantity_in_stock
▶	The Namesa...	Lahiri, Jhumpa	32 in stock
	Norse Myth...	Gaiman, Neil	43 in stock
	American G...	Gaiman, Neil	12 in stock
	Interprete...	Lahiri, Jhumpa	97 in stock
	A Hologram...	Eggers, Dave	154 in stock