

# CONCAT() Function

The **CONCAT()** function in SQL is a String function, which is used to add two or more strings. Also, If any of the arguments passed to **CONCAT()** is **NULL**, the function returns a **NULL** result.

**Example:**

**SELECT \* FROM pizza\_types;**

Result Grid    Filter Rows: <input type="text"/>   Export:    Wrap Cell Content:				
	pizza_type_id	name	category	ingredients
▶	bbq_ckn	The Barbecue Chicken Pizza	Chicken	Barbecued Chicken, Red Peppers, Green Peppe...
	cali_ckn	The California Chicken Pizza	Chicken	Chicken, Artichoke, Spinach, Garlic, Jalapeno P...
	ckn_alfredo	The Chicken Alfredo Pizza	Chicken	Chicken, Red Onions, Red Peppers, Mushrooms...
	ckn_pesto	The Chicken Pesto Pizza	Chicken	Chicken, Tomatoes, Red Peppers, Spinach, Garl...
	southw_ckn	The Southwest Chicken Pizza	Chicken	Chicken, Tomatoes, Red Peppers, Red Onions, ...
	thai_ckn	The Thai Chicken Pizza	Chicken	Chicken, Pineapple, Tomatoes, Red Peppers, T...
	bia_meat	The Big Meat Pizza	Classic	Bacon, Pepperoni, Italian Sausage, Chorizo Sau...

**Select CONCAT(pizza\_type\_id, "-", name) As "Type Name" From pizza\_types;**

Result Grid    Filter Rows: <input type="text"/>	
	Type Name
▶	bbq_ckn-The Barbecue Chicken Pizza
	cali_ckn-The California Chicken Pizza
	ckn_alfredo-The Chicken Alfredo Pizza
	ckn_pesto-The Chicken Pesto Pizza

# GROUP\_CONCAT() Function

The **GROUP\_CONCAT()** function in SQL is to concatenate values from multiple rows into a single string. **GROUP\_CONCAT()** ignores NULL values when concatenating results. If all values in the group are NULL, it will return NULL.

**Example:**

```
SELECT * FROM pizza_types;
```

Result Grid    Filter Rows: <input type="text"/>   Export:  Wrap Cell Content:				
	pizza_type_id	name	category	ingredients
▶	bbq_ckn	The Barbecue Chicken Pizza	Chicken	Barbecued Chicken, Red Peppers, Green Peppe...
	cali_ckn	The California Chicken Pizza	Chicken	Chicken, Artichoke, Spinach, Garlic, Jalapeno P...
	ckn_alfredo	The Chicken Alfredo Pizza	Chicken	Chicken, Red Onions, Red Peppers, Mushrooms...
	ckn_pesto	The Chicken Pesto Pizza	Chicken	Chicken, Tomatoes, Red Peppers, Spinach, Garl...
	southw_ckn	The Southwest Chicken Pizza	Chicken	Chicken, Tomatoes, Red Peppers, Red Onions, ...
	thai_ckn	The Thai Chicken Pizza	Chicken	Chicken, Pineapple, Tomatoes, Red Peppers, T...
	big_meat	The Big Meat Pizza	Classic	Bacon, Pepperoni, Italian Sausage, Chorizo Sau...

```
Select GROUP_CONCAT(Distinct category SEPARATOR ', ') As  
"Category Name" From pizza_types;
```

Result Grid    Filter Rows: <input type="text"/>	
	Category Name
▶	Chicken, Classic, Supreme, Veggie