# Stella Kemp

Bellevue University

DataBase Development and Use

Darren Osier

February 01, 2025

### module5.2

The three functions I can review are:

CONCAT - to combine two or three strings together.

CONCAT WS - to combine two or three strings together with a separator.

REPEAT - repeat a string as many times as requested.

Exmaple 1: CONCAT - to combine two or three strings together.

1 SELECT CustomerName, CONCAT(Address, " ", PostalCode, " ", City) AS Address FROM Customers;

If there is a table with broken down names you can also put each expression, or name, together in one return. Or maybe you could inject the data into a string as a variable

fstring \$UserName f"SELECT {name} FROM name\_table" in python.

2 SELECT CustomerName, CONCAT (FirstName, "", MiddleName, "", LastName "")
As UserName FROM Customer

## SQL Statement:

SELECT CONCAT("FirstName", "MiddleName ", "LastName") AS ConcatenatedString;

Edit the SQL Statement, and click "Run SQL" to see the result.

Run SQL »

## Result:

Number of Records: 1

## ConcatenatedString

FirstNameMiddleName LastName

### **SQL Statement:**

SELECT CONCAT ( Address, City, PostalCode ) AS Address FROM Suppliers;

Edit the SQL Statement, and click "Run SQL" to see the result.

Run SQL »

#### Result:

Number of Records: 29

#### Address

49 Gilbert St.LondonaEC1 4SD

P.O. Box 78934New Orleans70117

707 Oxford Rd.Ann Arbor48104

9-8 Sekimai Musashino-shiTokyo100

Calle del Rosal 40viedo33007

92 Setsuko Chuo-kuOsaka545

74 Rose St. Moonie PondsMelbourne3058

29 King's WayManchesterM14 GSD

#### SQL Statement:

SELECT CustomerName, CONCAT(Address, " ", PostalCode, " ", City) AS Address FROM Customers;

Edit the SQL Statement, and click "Run SQL" to see the result.

Run SQL »

#### Result:

Number of Records: 91

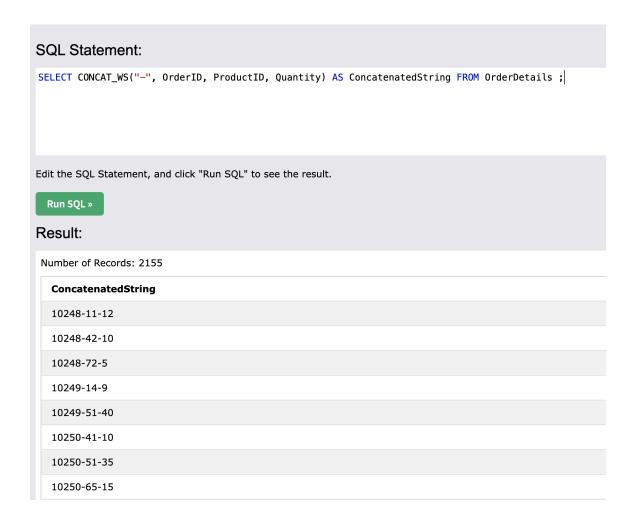
Address
Obere Str. 57 12209 Berlin
Avda. de la Constitución 2222 05021 México D.F.
Mataderos 2312 05023 México D.F.
120 Hanover Sq. WA1 1DP London
Berguvsvägen 8 S-958 22 Luleå
Forsterstr. 57 68306 Mannheim
24, place Kléber 67000 Strasbourg
C/ Araquil, 67 28023 Madrid

Example 2: CONCAT WS - to combine two or three strings together with a separator.

I believe this is best used with data that is numbers that may be difficult to read?

Perhaps dates YEAR-MONTH\_DAY, or order ID information. 

•



Example 3: REPEAT- repeat a string as many times as requested.

I think this would be used to check how many times a function or API is being called, to confirm if the request is meeting all the Api pages? I could not get this one to work.

SQL Statement:
SELECT REPEAT(ProductName,0)AS OrderProducts FROM Products;
Edit the SQL Statement, and click "Run SQL" to see the result.
Run SQL »
Result:
Number of Records: 77
OrderProducts