**Named Parameters**

Get Number of Customers from Texas using a Named Parameter

CREATE OR REPLACE FUNCTION fn\_get\_number\_customers\_from\_state(state\_name char(2))

RETURNS numeric as

$body$

SELECT count(\*)

FROM customer

WHERE state = state\_name;

$body$

LANGUAGE SQL

SELECT fn\_get\_number\_customers\_from\_state('TX');

**Get Number of Orders Using Customer Name**

SELECT COUNT(\*)

FROM sales\_order

NATURAL JOIN customer

WHERE customer.first\_name = 'Christopher' AND customer.last\_name = 'Jones';

CREATE OR REPLACE FUNCTION fn\_get\_number\_orders\_from\_customer(cus\_fname varchar, cus\_lname varchar)

RETURNS numeric as

$body$

SELECT COUNT(\*)

FROM sales\_order

NATURAL JOIN customer

WHERE customer.first\_name = cus\_fname AND customer.last\_name = cus\_lname;

$body$

LANGUAGE SQL

SELECT fn\_get\_number\_orders\_from\_customer('Christopher', 'Jones');

**Return a Row / Composite for the Latest Order**

CREATE OR REPLACE FUNCTION fn\_get\_last\_order()

RETURNS sales\_order as

$body$

SELECT \*

FROM sales\_order

ORDER BY time\_order\_taken DESC

LIMIT 1;

$body$

LANGUAGE SQL

SELECT fn\_get\_last\_order();

--Get in table format

SELECT (fn\_get\_last\_order()).\*;

--Get just the date

SELECT (fn\_get\_last\_order()).\*;

**Get Multiple Rows All Employees in CA**

SELECT \*

FROM sales\_person

WHERE state = 'CA';

CREATE OR REPLACE FUNCTION fn\_get\_employees\_location(loc varchar)

RETURNS SETOF sales\_person as

$body$

SELECT \*

FROM sales\_person

WHERE state = loc;

$body$

LANGUAGE SQL

SELECT (fn\_get\_employees\_location('CA')).\*;

--Get names and phone number using function results

SELECT first\_name, last\_name, phone

FROM fn\_get\_employees\_location('CA');