**Quiz: CONCAT**

**Quizzes CONCAT**

1. Each company in the accounts table wants to create an email address for each primary\_poc. The email address should be the first name of the **primary\_poc** . last name **primary\_poc** @ company name .com.

SELECT

CONCAT(first\_name,'.',last\_name,'@',name,'.com') email,

first\_name||'.'||last\_name||'@'||name||'.com' alt\_email

FROM

(SELECT

name,

POSITION(' ' IN primary\_poc),

LEFT(primary\_poc, POSITION(' ' IN primary\_poc)-1) first\_name,

RIGHT(primary\_poc, LENGTH(primary\_poc)-POSITION(' ' IN primary\_poc)) last\_name

FROM accounts)

sub;

1. You may have noticed that in the previous solution some of the company names include spaces, which will certainly not work in an email address. See if you can create an email address that will work by removing all of the spaces in the account name, but otherwise your solution should be just as in question 1. Some helpful documentation is [**here**](https://www.postgresql.org/docs/8.1/static/functions-string.html).

WITH t1 AS

(SELECT

name,

POSITION(' ' IN primary\_poc),

LEFT(primary\_poc, POSITION(' ' IN primary\_poc)-1) first\_name,

RIGHT(primary\_poc, LENGTH(primary\_poc)-POSITION(' ' IN primary\_poc)) last\_name

FROM accounts)

SELECT

CONCAT(first\_name,'.',last\_name,'@',REPLACE(name,' ',''),'.com')

email

FROM

t1;

1. We would also like to create an initial password, which they will change after their first log in. The first password will be the first letter of the primary\_poc's first name (lowercase), then the last letter of their first name (lowercase), the first letter of their last name (lowercase), the last letter of their last name (lowercase), the number of letters in their first name, the number of letters in their last name, and then the name of the company they are working with, all capitalized with no spaces.

WITH t1 AS

(SELECT

name,

primary\_poc,

POSITION(' ' IN primary\_poc),

LEFT(primary\_poc, POSITION(' ' IN primary\_poc)-1) first\_name,

RIGHT(primary\_poc, LENGTH(primary\_poc)-POSITION(' ' IN primary\_poc)) last\_name

FROM accounts),

t2 AS

(SELECT

primary\_poc,

LEFT(lower(first\_name),1) FF,

RIGHT(first\_Name,1) LF,

LEFT(lower(last\_name),1) FL,

RIGHT(last\_Name,1) LL,

LENGTH(first\_name) NLF,

LENGTH(last\_name) NLL,

UPPER(name) c

FROM

t1)

SELECT

primary\_poc,

ff||lf||fl||ll||nlf||nll||replace(c,' ','') AS password

FROM t2;