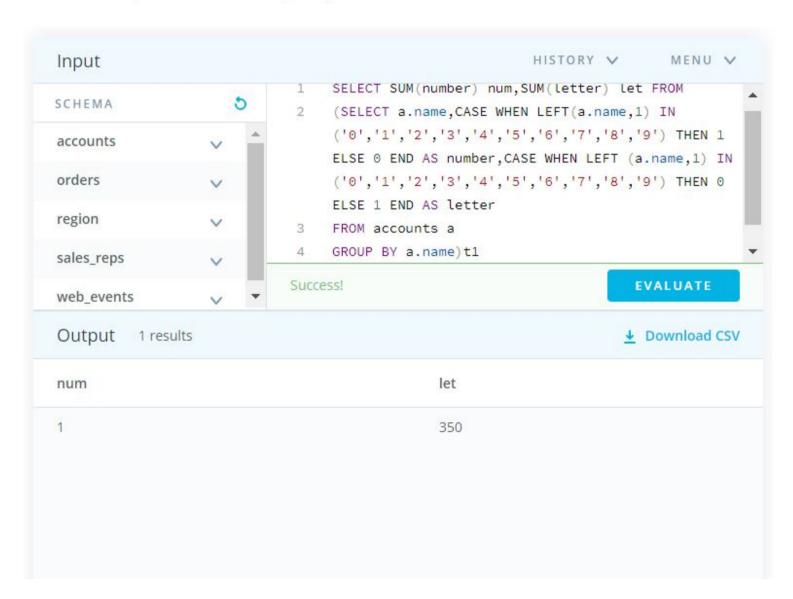
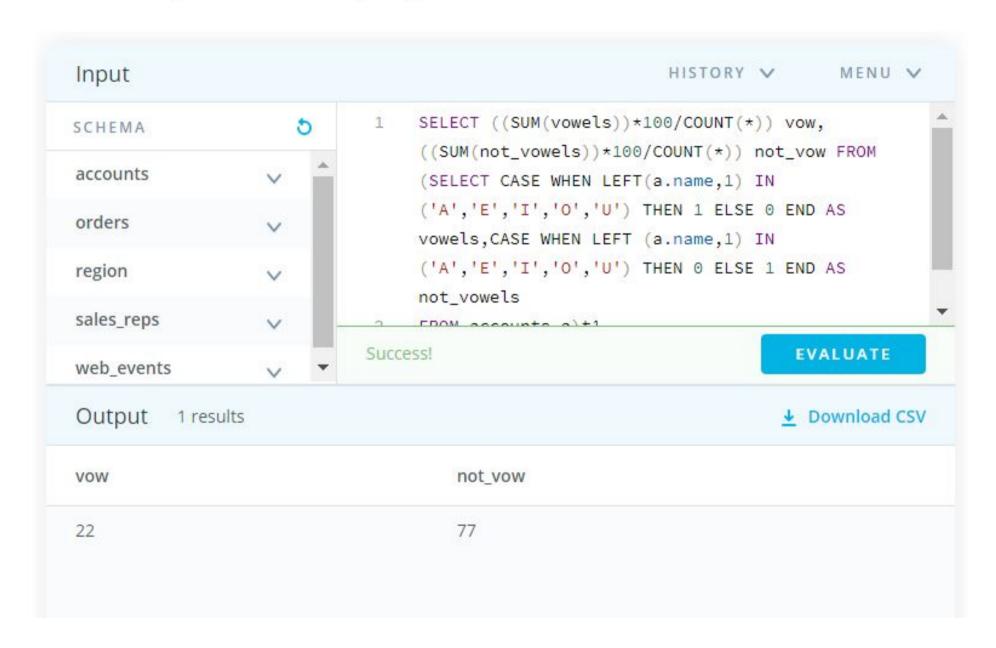
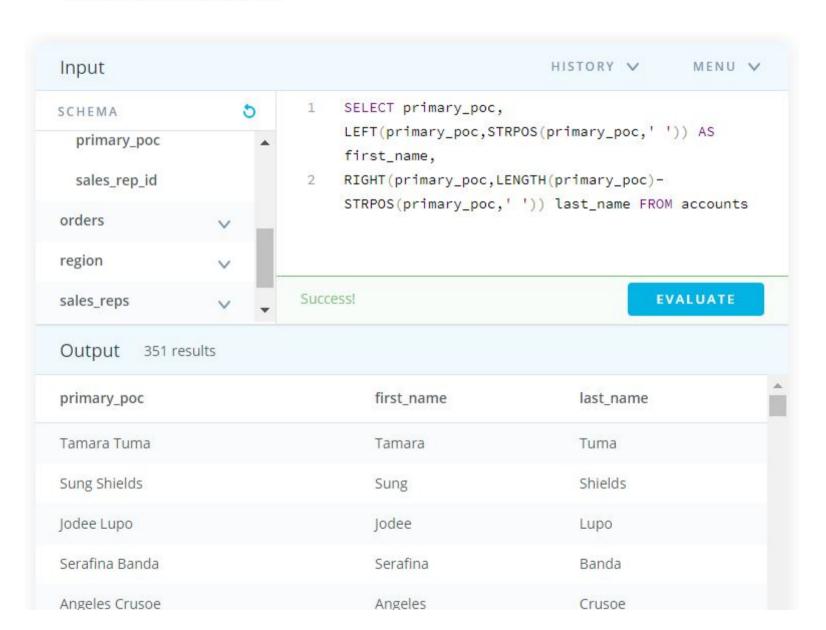
- 3. Use the accounts table and a CASE statement to create two groups: one group of company names that start with a number and a second group of those company names that start with a letter. What proportion of company names start with a letter?
- 4. Consider vowels as a, e, i, o, and u. What proportion of company names start with a vowel, and what percent start with anything else?



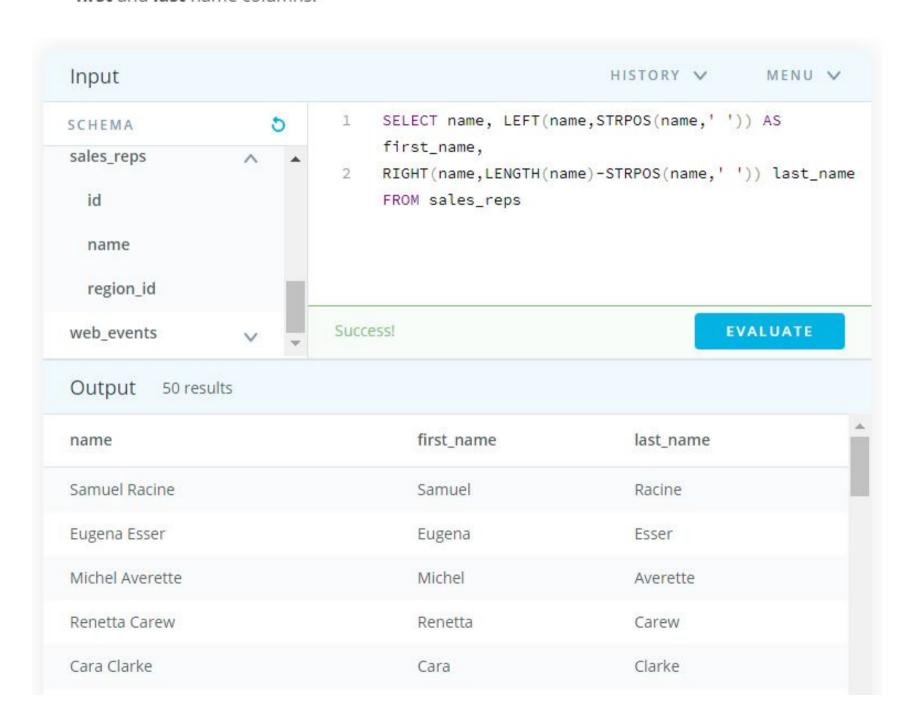
4. Consider vowels as a, e, i, o, and u. What proportion of company names start with a vowel, and what percent start with anything else?



- 1. Use the accounts table to create **first** and **last** name columns that hold the first and last names for the primary_poc.
- 2. Now see if you can do the same thing for every rep name in the sales_reps table. Again provide first and last name columns.



2. Now see if you can do the same thing for every rep name in the sales_reps table. Again provide first and last name columns.



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.

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.

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

LEFT(LOWER(primary_pgc),STRPOS(primary_pgc,' ')-1) first_name.

RIGHT(LOWER(primary_poc),LENGTH(primary_poc)-STRPOS(primary_poc,' ')) Last_name.

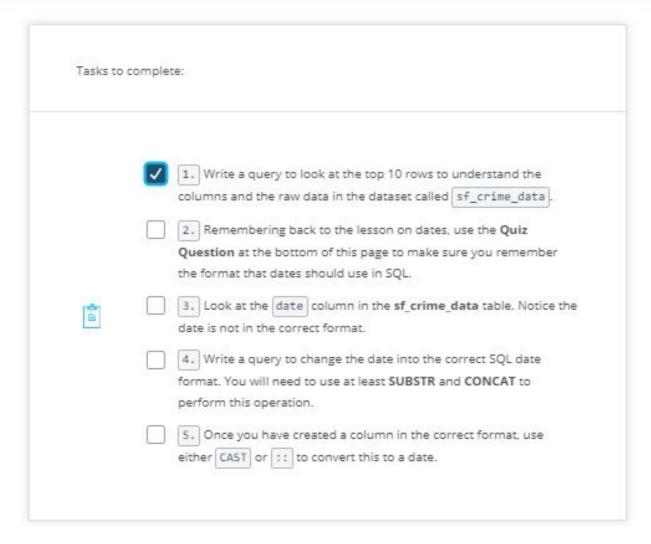
LOWER(name) email

FROM accounts)
```

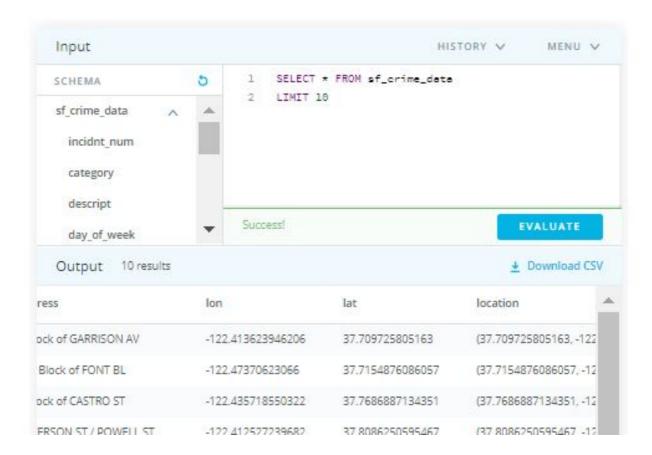
```
SELECT (first_name||'.'||Last_name||'@'||REPLACE(email,'',")||'.com') email,

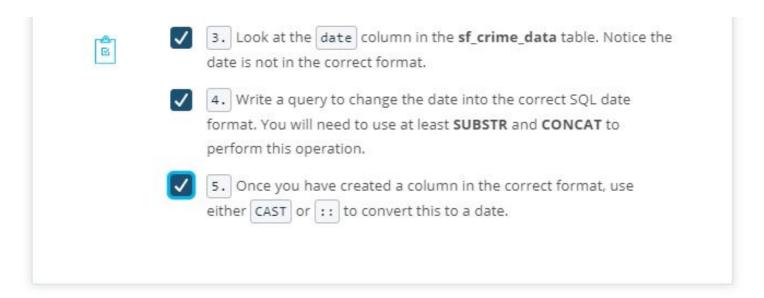
(LEET(first_name,1)||RIGHT(first_name,1)||LEFT(Last_name,1)||RIGHT(Last_name,1)||LENGTH(first_name)||LENGTH(Last_name)||email)

FROM t1
```

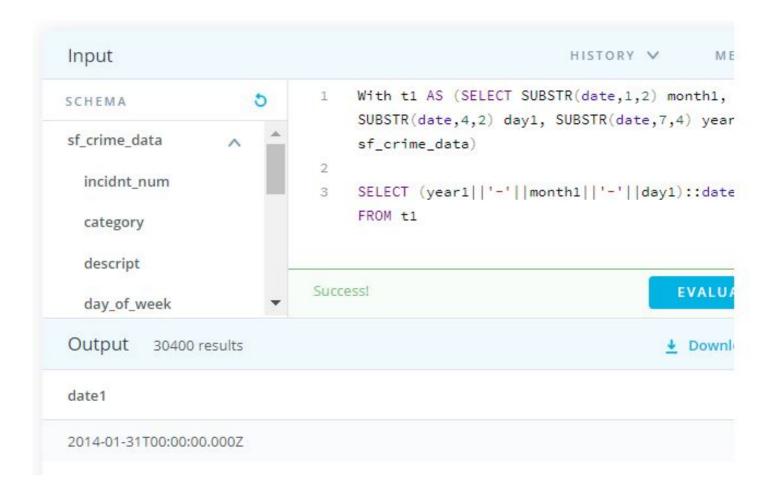


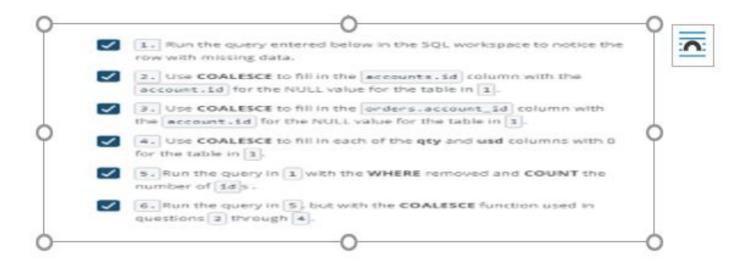
Note: If the proper tables for this SF Crime Data database do not appear for some reason in the Schema below, you can fix this using the Menu in the lower left of the workspace. Make sure you have first saved any query you have entered, then click on Menu, then choose Reset Data, and type in "Reset Data" as directed. This will definitely bring up the proper schema tables for the SF Crime Data database.





Note: If the proper tables for this SF Crime Data database do not appear for some reason in the Schema below, you can fix this using the Menu in the lower left of the workspace. Make sure you have first saved any query you have entered, then click on Menu, then choose Reset Data, and type in "Reset Data" as directed. This will definitely bring up the proper schema tables for the SF Crime Data database.





WITH t1 AS (SELECT COALESCE(o.id.a.id) fill_id,

a.name,a.website,a.lat,a.long,a.primary poc,a.sales rep_id, o.occurred_at,

COALESCE(o.account_id, a.id) orders_fill_id,

COALESCE(o.standard_qty,0) fill_std,

COALESCE(o.gloss_qty,0) fill_goss,

COALESCE(o.poster_qty,0) fill_poster,

COALESCE(o.total,0) fill_total,

COALESCE(o.standard_amt_usd,0) fill_std_amt,

COALESCE(o.gloss_amt_usd,0) fill_gloss_amt,

COALESCE(o.poster_amt_usd,0) fill_poster_amt,

COALESCE(o.total_amt_usd,0) fill_tot_amt

FROM accounts a

LEFT JOIN orders o

ON a.id = o.account_id)

- 2. There is much debate about how much the name (or even the first letter of a company name) matters. Use the accounts table to pull the first letter of each company name to see the distribution of company names that begin with each letter (or number).
- 3. Use the accounts table and a CASE statement to create two groups: one group of company names that start with a number and a second group of those company names that start with a letter. What proportion of company names start with a letter?
- 4. Consider vowels as a, e, i, o, and u. What proportion of company names start with a vowel, and what percent start with anything else?



- In the accounts table, there is a column holding the website for each company. The last three
 digits specify what type of web address they are using. A list of extensions (and pricing) is
 provided here. Pull these extensions and provide how many of each website type exist in the
 accounts table.
- There is much debate about how much the name (or even the first letter of a company name)
 matters. Use the accounts table to pull the first letter of each company name to see the
 distribution of company names that begin with each letter (or number).
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