Lesson 5- SQL Data Cleaning

Quiz 3: LEFT & RIGHT

LEFT & RIGHT Quizzes

1. 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**](https://iwantmyname.com/domains/domain-name-registration-list-of-extensions). Pull these extensions and provide how many of each website type exist in the **accounts** table.

SELECT

RIGHT(website, 3) extensions,

COUNT(\*) count\_of\_types

FROM accounts a

GROUP BY 1

ORDER BY 2 DESC;

1. There is much debate about how much the name [**(or even the first letter of a company name)**](https://www.quora.com/Does-a-companys-name-matter) 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).

SELECT

LEFT(name,1) letter,

COUNT(\*) count

FROM accounts a

GROUP BY 1

ORDER BY 1;

1. 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? Letter: 350/351, Number: 1/351

SELECT

SUM(Num) Num,

SUM(Letter) Letters

FROM

(SELECT

name,

CASE WHEN LEFT(name,1) in ('0','1','2','3','4','5','6','7','8','9') THEN 1 ELSE 0 END AS Num,

CASE WHEN LEFT(name,1) in

('0','1','2','3','4','5','6','7','8','9') THEN 0 ELSE 1 END AS Letter

FROM accounts

) sub1;

1. 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? Vowel=80/351;Not Vowel=271/351

SELECT

SUM(Vowel) Vowels,

SUM(Not\_Vowel) Not\_Vowels

FROM

(SELECT

name,

CASE WHEN LEFT(UPPER(name),1) in ('A','E','I','O','U') THEN 1 ELSE 0 END AS Vowel,

CASE WHEN LEFT(UPPER(name),1) in

('A','E','I','O','U') THEN 0 ELSE 1 END AS Not\_Vowel

FROM accounts

) sub1;