**Last Name: Suh First Name: Joowon Student ID: 44414081**

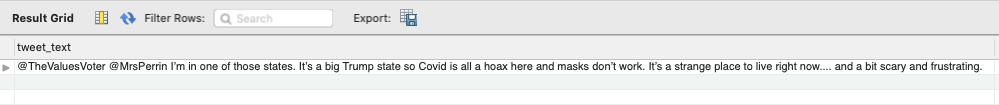
1. [10 pts] Find the text of all tweets that were posted by the tweeter with the handle ‘patgotweet’.

a) [7 pts] SQL Query:

Graphical user interface, text, application

Description automatically generated

b) [3 pts] Result: (1 Row)



2. [10 pts] List the **distinct** domains of expertise for checkers who have verified tweets that have the hashtag “*COVID19*”. (**Note: The hashtag value is all in capital letters.)**

a) [7 pts] SQL Query:

Graphical user interface, text, application, chat or text message

Description automatically generated

b) [3 pts] Result: (2 Rows)

Graphical user interface, application

Description automatically generated

3. [10 pts] List the handles of Tweeters who have posted a tweet that has been verified by a Checker who started as a checker after the date “2020-01-31 03:41:49”.

a) [7 pts] SQL Query:

Graphical user interface, text, application, website

Description automatically generated

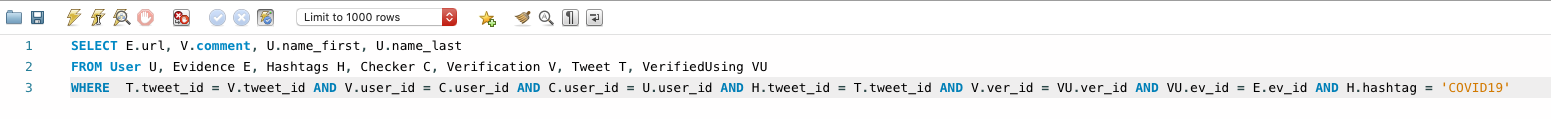
b) [3 pts] Result: (5 Rows)

A picture containing graphical user interface

Description automatically generated

4. [15 pts] For verified tweets that contain the hashtag "COVID19", find the associated evidence URLs, verification comments, and checkers' first and last names **(Again: “COVID19” is in all caps.)**

a) [12 pts] SQL Query:



b) [3 pts] Result (12 rows):

Graphical user interface, text, application

Description automatically generated

5. [15 pts] Find the user IDs, first names, and last names of checkers that have **all** the domains of expertise from the user with ID = 68. (Note: Your answer will include the “ID = 68” checker as well, of course.)

a) [12 pts] SQL Query:

Graphical user interface, text, application, chat or text message, email

Description automatically generated

b) [3 pts] Result: (3 Rows)

Table

Description automatically generated

6. [10 pts] List the phone numbers of checkers who have verified the tweet with the id “1321211561046933514” ***and*** who are experts in “Infectious Diseases” (Note the use of the word “and” instead of “or” from the previous assignment!)

a) [7 pts] SQL Query:



b) [3 pts] Result: (2 Rows)

Table

Description automatically generated

7. [15 pts] Find tweet ids and the number of replies for each tweet that has one or more replies. List only the top five tweets that have the highest number of replies.

a) [12 pts] SQL Query:

Graphical user interface, text, application, chat or text message

Description automatically generated

b) [3 pts] Result: (5 Rows)

Table

Description automatically generated

8. [15 pts] For tweets that have two or more reactions (replies and/or quotes), print their tweet id along with their number of replies and number of quotes. (Note that for such tweets, the sum of replies and quotes should be 2 or more). Order the result by the number of reactions in largest-first order.

a) [12 pts] SQL Query:

Graphical user interface, text, website

Description automatically generated

b) [3 pts] Result (9 rows):

Table

Description automatically generated