**Project Summary**

SQL – Covid Counties Dataset

Task: Sort, Filter and change Data type using SQL.

**Dataset:**

This dataset contains information on deaths and covid cases reported in various counties across the United States.

**Source:**

Source Kaggle: <https://www.kaggle.com/datasets/fireballbyedimyrnmom/us-counties-covid-19-dataset>

Dataset: <https://raw.githubusercontent.com/nytimes/covid-19-data/master/us-counties.csv>

**Process:**

1. Create a new database with a connected server.
2. Name the Database; Covid\_Data
3. Open Covid database, click on tables, select table data import wizard to get file path.
4. Import and select data in excel
5. Perform sorting, filtering and aggregations

**Outcome**:

1. View all data in the table:

select \*

from `us-counties`;

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1. View table where state is California:

select \*

from `us-counties`

Where state = 'California';

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1. Show table for deaths in California in descending order:

select deaths

from `us-counties`

Where state ='California'

order by deaths desc;

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1. Show deaths and cases in descending order for California:

select deaths, cases

from `us-counties`

Where state ='California'

order by deaths desc;

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1. Show total cases in the state of New York:

select SUM(cases) as total\_cases

from `us-counties`

where state = 'New York';

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1. Show total cases and death in the state of New York:

select

SUM(cases) as total\_cases,

SUM(deaths) as total\_deaths

from `us-counties`

where state = 'New York';

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7.Modified Text Date column using:

ALTER TABLE `us-counties`

modify date DATE;

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1. Check counties where cases is greater than 50.

select \*

from `us-counties`

Where cases > 50;

