Database and SQL Problems

There are 3 datasets in .csv. (psd\_fruits\_vegetables.csv, psd\_juice.csv, psd\_sugar.csv)

1. For psd\_sugar.csv, import the file to PostgreSQL/SQLite/MySQL/Any databases.

Make a new table that follows the following criteria:

* 1. Criteria 1
  2. Criteria 2

Save the table in **.csv** file format.

*YourFullName\_Department\_Sugar*

1. For psd\_fruits\_vegetables.csv, import the file to PostgreSQL.

Make a new table that follows the following criteria:

* 1. Criteria 1
  2. Criteria 2

Save the table in **.csv** file format.

*YourFullName\_Department\_FruitVeg*

(**Optional**, Review of Workshop 1 – 5)

Also import psd\_juice.csv and export it into csv file.

1. Export *YourFullName\_Department\_Sugar* and *YourFullName\_Department\_FruitVeg* to csv file.
2. Import *YourFullName\_Department\_Sugar.csv* and *YourFullName\_Department\_FruitVeg.csv* to Python (Jupyter Notebook).
3. Also import psd\_juice.csv to the Notebook.
4. Answer these questions:
   1. Which country has the highest growth in juice production?
   2. Predict the number of sugars that will be produced by UK in the next 5 years.
   3. Is there any relationship between sugar production and juice production?
   4. Is there any relationship between fruit\_vegetable production and juice production?
   5. Which country will run out of sugar in the next 50 years?

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Note: In Windows 10, we have “Database Compare” application, which can be useful for marking.