Migrating CSV to SQLite

We can perform **data migration** from CSV to SQLite using Python.

The first step is to open a connection to the database, the same as last lesson:

Graphical user interface, text

Description automatically generated

We then create a table to store the information.

Make sure to delete any pre-existing table with the same name.

Text

Description automatically generated

Create a table with the same fields as the CSV file.

Next we use the CSV module to read in rows of data from the CSV file.

And for each row, we use the cursor to insert all 5 items of data into the database.

Skip over the first row of the CSV file, which contains the headings.

Text

Description automatically generated

Insert the 5 data items from the row of CSV into the SQLite table.

Lastly, we commit the changes and close the database.

If you don’t commit, none of your changes will be saved!

A picture containing text, orange

Description automatically generated

Using SQL and the program you created last lesson, perform the following SQL queries.

You may need to use the internet to research more SQL commands!

1. List the details of every drink with 400 calories or more.
2. Sort the list of drinks from question 1 in order of calories.
3. Count the number of drinks which use soymilk.
4. Find the average number of calories of all drinks.
5. List all drinks where the beverage name begins with Tazo.