

Imports

Only SQLite is being imported. I use this so I can easily transport the database between computers.

Code

conn – The object of connection to the database.

cur – The cursor object to insert commands through.

sql – The SQL commands that will be executed

cur.execute(parameter) – Executes the SQL commands in whatever parameter is passed through.

open(parameter_1, parameter_2) – Opens the file, parameter_1 with permissions, parameter_2. Using “with” closes the file without having to type obj.close() and restricts file usage to the scope of “with.”

fileObj.readlines() – Turns the file’s lines into a list. Appending [1:] to readlines() skips reading the first line.

splitline – A list comprised of the strings in the current line. This was created by splitting the current line at each comma. Each comma is a new column.

splitline[0] – This is the building name string. It is the first column in the CSV file.

splitline[1] – This is the room number in the building from the first column. Room numbers from “MMAIN” are the only room numbers being used.

room – splitline[1] if splitline[0] is “MMAIN.”

CRN – splitline[4]. This is the fifth column and where the CRNs reside.

courseName – splitline[5] + splitline[6] splitline[16]. This is the course’s name. It is made up of the subject name, the course, and the course’s title. Is it necessary? Not really. Could it be used in the future? Yes.

dayOfWeek – String is blank until it meets the conditions in lines 36, 38, 40, 42, 44, 46, 48. The string is added on to when the class is on a certain day.

Summary

The code goes through the CSV file and upon finding data in a row at a certain column, it will be inserted into a table in the SQLite database.