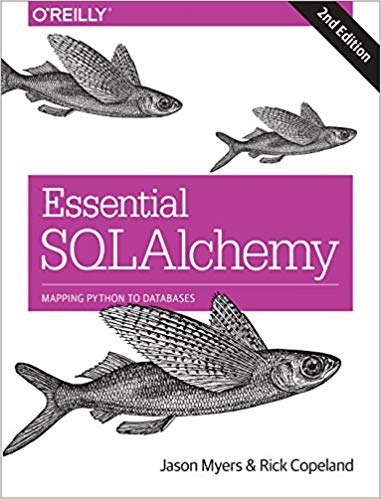
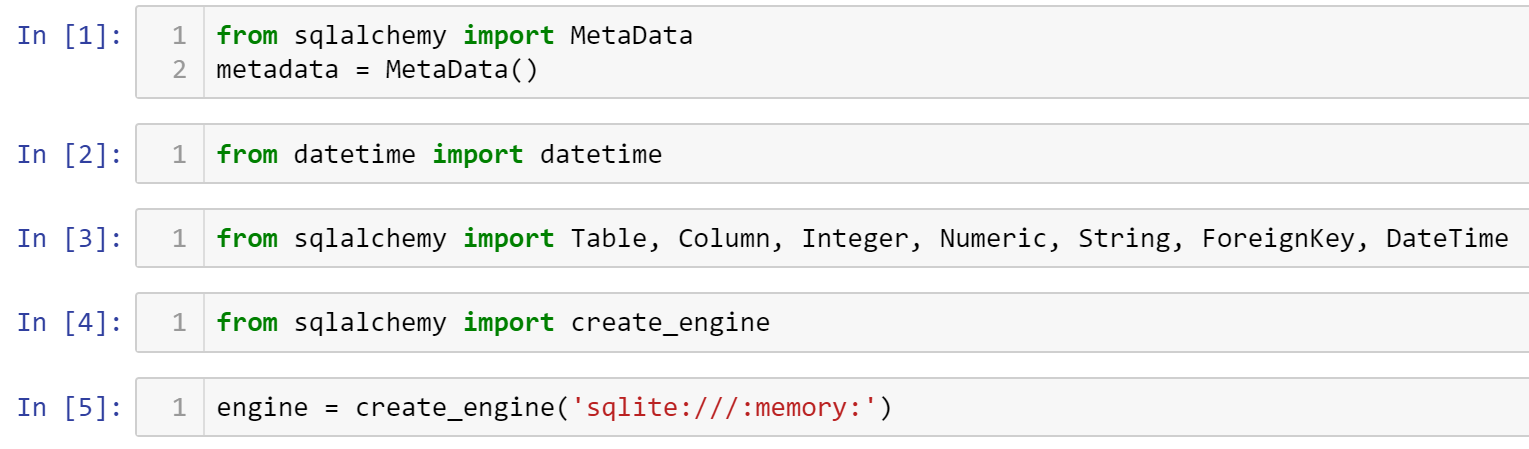
SQL Exercise 1

**Purpose:** Nine SQL exercises will be released throughout the quarter. These assignments will help you connect and manipulate a database through Python. Python-to-SQL is a parallel strand of knowledge that you would gain in this class.

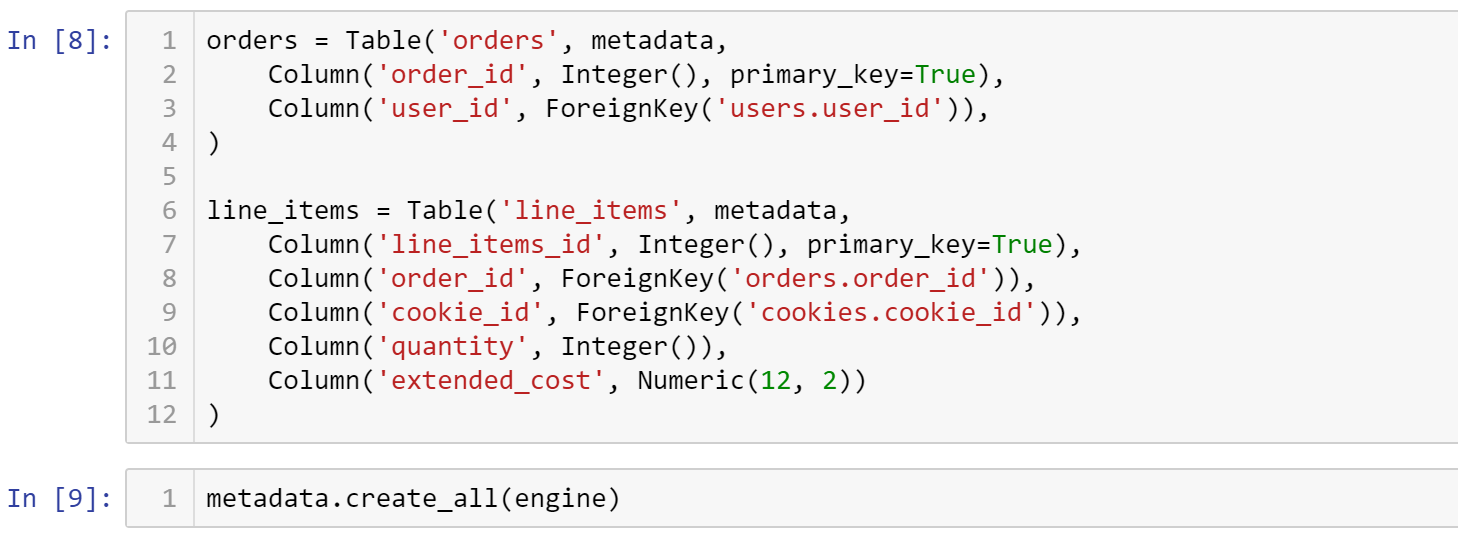
**Reference:** 

**Code:** Time to practice! Try the code below and get it to work. The code is pre-tested and should run “as is.” Verify what you type if an error persists. Press “Run” to every time you completed a jupyter cell. Because you already have content knowledge of what is a database, most of the code are self-explanatory.

***Instructions:*** *Start a new Python project folder … do not reuse the previous workspace … As with any keyboard-driven console-like environment, developing muscle -memory for the common commands is also part of the learning curve.*







* **Critical Thinking Section:** In your own words, write a paragraph (5 sentences or more) explaining what these codes are doing.
* Place your answer here below:

|  |
| --- |
| A “MetaData” is a container that keeps different features of a database together. To represent a table, a table class is created with two primary arguments, the table name and the MetaData object. The remaining arguments are Column objects describing each column. The metadata.create\_all(engine) creates the foreign key constrains and generates the tables in the order of their dependency. |

* Place your name at the bottom of your code, download your Python program in html format, and submit your work in Canvas.

**Important:** All submissions should be separate from other exercises and quests. Please do not lump all your answers into one document and re-using that same workspace to gain multiple points. Thanks.