Part 1: Get the data

First, you need to get your hands on the relevant data. The shipping department has been kind enough to provide you with a repository containing all their spreadsheets, as well as a copy of the SQLite database. First, fork and clone the repository

at: https://github.com/Sagargwu/Walmart-By-Forage-Internship/tree/main/Task%204%20Data%20Munging

Part 2: Populate the database

Your task is to insert all the data contained in the provided spreadsheets into the SQLite database. You will write a Python script which:

- Reads each row from the spreadsheets.
- Extracts the relevant data.
- Munges it into a format that fits the database schema.
- Inserts the data into the database.

Spreadsheet 0 is self-contained and can simply be inserted into the database, but spreadsheets 1 and 2 are dependent on one another. Spreadsheet 1 contains a single product per row, you will need to combine each row based on its shipping identifier, determine the quantity of goods in the shipment, and add a new row to the database for each product in the shipment. The origin and destination for each shipment in spreadsheet 1 are contained in spreadsheet 2. You may assume that all the given data is valid - product names are always spelled the same way, quantities are positive, etc.

Solution

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https://github.com/Sagargwu/Walmart-By-Forage-Internship.git

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```
driver identifier TEXT
  """)
  cursor.execute("""
    CREATE TABLE IF NOT EXISTS shipping data 1 ( shipment identifier TEXT,
product TEXT,
                    on time TEXT, origin warehouse TEXT,
destination store TEXT
        """) def insert_shipping_data_0(cursor):
with open('data/shipping data 0.csv', 'r') as file:
    csv reader = csv.reader(file)
next(csv reader)
                   for row in csv reader:
      origin warehouse, destination store, product, on time, product quantity,
driver identifier = row cursor.execute("INSERT INTO shipping data 0
(origin warehouse, destination store, product, on time, product quantity, driver identifier)
VALUES (?, ?, ?, ?, ?, ?)",
              (origin warehouse, destination store, product, on time,
product quantity, driver identifier)) definsert shipping data 2(cursor): with
open('data/shipping data 2.csv', 'r') as file: csv reader = csv.reader(file)
next(csv_reader)
                    shipping data 2 rows = [row for row in
csv reader]
  with open('data/shipping data 1.csv', 'r') as file:
    csv reader = csv.reader(file)
                                   next(csv reader)
for row in csv reader:
      shipment identifier, product, on time = row
                                                        matching rows = [r for r in
shipping data 2 rows if r[0] == shipment identifier]
                                                         if matching rows:
        origin warehouse, destination store, driver identifier = matching rows[0][1],
matching rows[0][2], matching rows[0][3] cursor.execute("INSERT INTO
shipping data 1 (shipment identifier, product, on time, origin warehouse, destination store)
VALUES (?, ?, ?, ?, ?)",
```

```
(shipment_identifier, product, on_time, origin_warehouse,
destination_store)) if __name__ == "__main__": conn =
sqlite3.connect('shipment_database.db') cursor
= conn.cursor() create_tables(cursor) # Create the
necessary tables
insert_shipping_data_0(cursor) insert_shipping_data_2(cursor)
conn.commit() conn.close()
```