import pandas as pd

import sqlite3

spreadsheet\_0 = pd.read\_csv(r'E:\GIT\forage-walmart-task-4\data\shipping\_data\_0.csv')

spreadsheet\_1 = pd.read\_csv(r'E:\GIT\forage-walmart-task-4\data\shipping\_data\_1.csv')

spreadsheet\_2 = pd.read\_csv(r'E:\GIT\forage-walmart-task-4\data\shipping\_data\_2.csv')

connect = sqlite3.connect(r'E:\GIT\forage-walmart-task-4\shipment\_database.db')

cursor = connect.cursor()

spreadsheet\_0.to\_sql('Table0', connect, if\_exists='replace', index=False)

cursor.execute('''

    CREATE TABLE IF NOT EXISTS table1 (

        shipment\_id INTEGER,

        origin\_warehouse TEXT,

        destination\_store TEXT,

        driver\_identifier TEXT,

        product TEXT,

        on\_time INTEGER

    )

''')

processed\_data = []

for row1 in spreadsheet\_1.itertuples():

    shipping\_id = row1.shipment\_identifier

    product = row1.product

    on\_time = row1.on\_time

    origin\_row = spreadsheet\_2.loc[spreadsheet\_2['shipment\_identifier'] == shipping\_id]

    if len(origin\_row) > 0:

        origin\_warehouse = origin\_row.iloc[0]['origin\_warehouse']

        destination\_store = origin\_row.iloc[0]['destination\_store']

        driver\_identifier = origin\_row.iloc[0]['driver\_identifier']

        processed\_data.append((shipping\_id, origin\_warehouse, destination\_store, driver\_identifier, product, on\_time))

cursor.executemany("INSERT INTO table1 VALUES (?, ?, ?, ?, ?, ?)", processed\_data)

# Retrieve data from table1

cursor.execute("SELECT \* FROM table0")

table0\_data = cursor.fetchall()

print("Data in table0:")

for row in table0\_data:

    print(row)

# Retrieve data from table1

cursor.execute("SELECT \* FROM table1")

table1\_data = cursor.fetchall()

print("Data in table1:")

for row in table1\_data:

    print(row)

connect.commit()

connect.close()