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import sqlite3
import csv
class DatabaseConnector:
    def init (self, database file):
        self.connection = sqlite3.connect(database file)
        self.cursor = self.connection.cursor()
    def populate(self, folder):
        with open(f"{folder}/shipping data 0.csv") as file 0:
            with open(f"{folder}/shipping data 1.csv") as file 1:
                with open(f"{folder}/shipping data 2.csv") as file 2:
                    reader 0 = csv.reader(file 0)
                    reader 1 = csv.reader(file 1)
                    reader 2 = csv.reader(file 2)
                    self.populate shipping data 1(reader 0)
                    self.populate_shipping data 2(reader 1, reader 2)
    def populate shipping data 1(self, reader 0):
        for row idx, row in enumerate(reader 0):
            if row idx> 0:
                product name = row[2]
                product quantity = row[4]
                origin = row[0]
                destination = row[1]
                print(product_name, product_quantity, origin, destination)
                self.insert product(product name)
                self.insert shipment(product name, product quantity, origin, destination)
    def populate shipping data 2(self, reader 1, reader 2):
        shipment info = {}
        for row idx, row in enumerate(reader 2):
            if row idx > 0:
                shipment identifier = row[0]
                origin = row[1]
                destination = row[2]
                shipment info[shipment identifier] = {
                    "origin": origin,
                    "destination": destination,
                    "products": {}
        for row idx, row in enumerate(reader 1):
            if row idx > 0:
                shipment identifier = row[0]
                product name = row[1]
                products = shipment info[shipment identifier]["products"]
                products[product_name] = products.get(product_name, 0) + 1
        for shipment identifier, shipment in shipment info.items():
            origin = shipment info[shipment identifier]["origin"]
            destination = shipment info[shipment identifier]["destination"]
            for product name, product quantity in shipment["products"].items():
                self.insert product(product name)
                self.insert shipment(product name, product quantity, origin, destination)
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def insert_product(self, product_name):
        query = '''
           INSERT OR IGNORE INTO product(name)
           VALUES(?);
        self.cursor.execute(query, (product_name,))
        self.connection.commit()
    def insert shipment(self, product name, product quantity, origin, destination):
        query = '''
           SELECT id
           FROM product
            WHERE product.name = ?;
        self.cursor.execute(query, (product_name,))
        product id = self.cursor.fetchone()[0]
        query = '''
            INSERT OR IGNORE INTO shipment(product id, quantity, origin, destination)
            VALUES(?,?,?,?);
        self.cursor.execute(query, (product id, product quantity, origin, destination))
        self.connection.commit()
    def close(self):
        self.connection.close()
if __name__ == '__main__':
    db connector = DatabaseConnector("shipment database.db")
    db connector.populate("./data")
    db connector.close()
```