

#This is a file for the Walmart Global Tech program

```
1 import csv
2 import sqlite3
```

#Converts the Shipping_data_0 file to a database file

```
3
4 def convert_file():
```

```
5
6
7     with open('shipping_data_0.csv', newline='') as csvfile:
8         datareader = csv.reader(csvfile, delimiter=',')
```

```
9
10
11         con = sqlite3.connect('ship_data_0.db')
12         cur = con.cursor()
```

```
13         cur.execute("CREATE TABLE shipping_data_0 (origin_warehouse, destination_store, product, on_time, product_quantity, driver_identifier)")
```

```
14
15     for row in datareader:
```

```
16         x = str(',').join(row)
17         y = x.split(',')
18
19         entry = [
```

```
20             (y[0]),
21             (y[1]),
22             (y[2]),
23             (y[3]),
24             (y[4]),
25             (y[5])
26         ]
27
```

```
28     #print(entry)
```

```
29     cur.execute("insert into shipping_data_0 values (?, ?, ?, ?, ?, ?)", entry)
```

```
30
31     con.commit()
32     con.close()
33
```

#Spreadsheet 1 combine each row based on shipping identifier, quantity, and add new row

```
34
35 def combine_data():
```

```
36     with open('temp.csv', 'w', newline='') as csvfile:
37         tempreader = csv.writer(csvfile, delimiter=',')
```

```
38
39     #Checks to see if the data repeats, and add a quantity
```

```
40     with open('shipping_data_1.csv', newline='') as csvfile:
41         dreader1 = csv.reader(csvfile, delimiter=',')
```

```
42
43         count = 1
44         last_element = "there"
45         f_iter = True
```

```
46
47     for row in dreader1:
```

```
48         x = str(',').join(row)
49         y = x.split(',')
50
```

```
51         if (f_iter == True):
```

```
52             entry = [
53                 (y[0]),
54                 (y[1]),
55                 (y[2]),
56             ]
57
```

```
58
59             tempreader.writerow([entry[0], entry[1], entry[2], "quantity"])
60             f_iter = False
```

```
61         else:
```

```
62             if (last_element == y[1]):
63                 count = count + 1
```

```
64             else:
65                 tempreader.writerow([entry[0], entry[1], entry[2], count])
```

```
66                 count = 1
```

```
67
68         entry = [
69             (y[0]),
70             (y[1]),
71             (y[2]),
72         ]
73
```

```
74         last_element = y[1]
```

```
75
76     #print(entry)
```

#Combines the origin warehouse and the destination store from the shipping data 2

```
def combine_files():
    with open('temp2.csv', 'w', newline='') as csvfile:
        f_write = csv.writer(csvfile, delimiter=',')
        with open('shipping_data_2.csv', newline='') as csvfile:
            ship2 = csv.reader(csvfile, delimiter=',')
            with open('temp.csv', newline='') as csvfile:
                temp = csv.reader(csvfile, delimiter=',')

                for t_row in temp:
                    temp_row = str(',').join(t_row)
                    temp_row = temp_row.split(',')
                    temp_dic = [
                        (temp_row[0]),
                        (temp_row[1]),
                        (temp_row[2]),
                        (temp_row[3])
                    ]

                    for s_data in ship2:
                        data = str(',').join(s_data)
                        data = data.split(',')
                        data_dic = [
                            (data[0]),
                            (data[1]),
                            (data[2]),
                            (data[3])
                        ]
                        if (temp_dic[0] == data_dic[0]):
                            f_write.writerow([data_dic[1], data_dic[2], temp_dic[0], temp_dic[1], temp_dic[2], data_dic[3], data_dic[0]])
                            print(data_dic[1], data_dic[2], temp_dic[0], temp_dic[1], temp_dic[2], data_dic[3], data_dic[0])
```

#Convert the temp file into a database file

```
def convert_temp_file():
    with open('temp.csv', newline='') as csvfile:
        datareader = csv.reader(csvfile, delimiter=',')

        con = sqlite3.connect('ship_data_1.db')
        cur = con.cursor()

        cur.execute("CREATE TABLE shipping_data_1 (ship_identifier, product, on_time, product_quantity)")

        for row in datareader:
            x = str(',').join(row)
            y = x.split(',')

            entry = [
                (y[0]),
                (y[1]),
                (y[2]),
                (y[3])
            ]

            cur.execute("insert into shipping_data_1 values (?, ?, ?, ?)", entry)

        con.commit()
        con.close()
```

#execute

```
def main():
    convert_file()
    combine_data()
    convert_temp_file()
```

```
main()
```