Group and Conquer

Level: Entry

Time: 15-25 min

The content of 2 warehouses (A & B) have been moved to a bigger warehouse (C).

Warehouse A and B are represented by a list of items each item has 2 attributes: first is the item Identifier which is a String of length > 0 < 30 and quantity which is an Integer > 0 < 200

The result of this action is that we may have repeated items that we need to count as a single item for that we need to merge both warehouses eliminating repeated items but summarizing quantities.

**Input:**

**List1:**

*1224,22*

*1343,35*

*152,199*

*1342,88*

**List2:**

*1223,22*

*1343,35*

*1523,199*

*1342,100*

**Output:**

**Result List:**

*1223,22*

*1224,22*

*1344,70*

*1523,199*

*1342,188*