

Coding Task

Problem:

You are running a simple restaurant. Three groups come in Group 1: 3 people
Group 2: 5 people
Group 3: 7 people

They order a couple of things, and at the end when they come to pay,

- * Group1 opts to split the bill as per the individuals
- * Group2 gets a 10% discount and then one person pays the entire bill by credit card
- * Group3 starts with a \$50 Tab and then settle the bill with a split payment, but you offer them a \$25 discount and they all pay the split equally

All prices are inclusive of taxes, however when you display the invoice, it should display the amount and taxes separately. If the payment is using a credit card, there is a 1.2% surcharge.

Use Swift or Objective-C, do not bother about the UI much, you can use print statements to display the

results. Write a small module Group1 Bill:

Big Brekkie \$16 Big Brekkie \$16 Bruschetta \$8 Poached Eggs \$12 Coffee \$5 Tea \$3 Soda \$4

that handles this.

#1 #2 #3 #3 #2 #1 #3

Group2 Bill:

Tea \$3x1

Coffee \$3x3 Soda \$4x1 Big Brekkie \$16x3 Poached Eggs \$12x1 Garden Salad \$10x1

Group3 Bill:

Tea \$3x2

Coffee \$3x3 Soda \$4x2

Bruschetta

Big Brekkie Poached Eggs Garden Salad

\$8x5 \$16x5 \$12x2 \$10x3

Tasks Expected:

Create a structure to handle the data,

Display the Invoice with the appropriate group identification, taxes, surcharges, discounts, etc

Display each transaction as Paid \$XX, returned \$YY, remaining \$ZZ

Please commit to GitHub and provide link

If you can script the transactions or batch it, that would be amazing. It's all about how you solve this problem.

Let's get cracking.....