

CS 12 - Lab 2

Data Files

In this lab you will be using data files. Be sure to include all necessary information at the top of the program and use good commenting and style throughout your program.

A group of people have gone together to eat at a restaurant. They receive only one check. Each item on the receipt specifies the person who consumed the item. Write a program that processes the receipt to help the party determine how much each has to pay. It is easiest if you assume that each eater has a unique integer id (0 through `number_of_eaters-1`) and that this number is written next to the amount. An example receipt file is shown below given four people in the party. The receipt file may have blank lines between items and may have blank lines at the end of the file.

```
9.45 3
0.99 1
1.99 0
1.69 2
7.99 0
4.15 1

2.55 2
10.99 1
3.89 2

1.79 3
```

The file you will read from will be called *receipt*. You should keep track of each person's total as well as the complete party's total. After processing the file, write the results to an output file (let the user choose the name). You may assume that they live in a state where there is no sales tax or tipping.