DEPARTAMENTO
DE ENGENHARIA
INFORMÁTICA

PROGRAMAÇÃO ORIENTADA AOS OBJETOS
2022/2023
Exercise #1 (1.5 points)

Deadline: 3/10/2022

Submissions: Inforestudante

Important:
1 – This is an individual exercise.
2 – Fraud will be punished according to regulations.

A store of products for kitchen needs a new application for printing invoices of the online orders. The names and prices of products are given in a string without spaces, with the following format:

"product1:price1;...".

Orders are given in a string without spaces, with the following format:

"quantity1@product1;...".

Invoices should have the cost of each item and the total cost.
Example:

```
String products =    "Table:30;Chair:25;Knife:2;Fork:3;" +
                     "Oven:255;Spoon:4;Plate:3";
String order =       "20@fork;5@Knife;4@table;1@oven".
```

Result:

```
20 x  Fork:  60
 5 x Knife:  10
 4 x Table: 120
 1 x  Oven: 255
     Total: 445 Euro(s)
```

For enabling an efficient search, the information about products and prices should be stored in arrays.
Consider that quantities and prices have a valid format for the conversion `String->int`.
Consider that the string of products-and-prices has no errors.
Consider that when the application starts all data is already in memory.

File to upload: Exercicio1StudentName.java