

Sales taxes problem

This problem requires some kind of input. You are free to implement any mechanism for feeding input into your solution (for example, using hard coded data within a unit test). You should provide sufficient evidence that your solution is complete by, as a minimum, indicating that it works correctly against the supplied test data.

PROBLEM: SALES TAXES

Basic sales tax is applicable at a rate of 10% on all goods, **except** books, food, and medical products that are exempt. **Import duty** is an additional sales tax applicable on all imported goods at a rate of 5%, with no exemptions.

When I purchase items I receive a receipt which lists the name of all the items and their price (including tax), finishing with the total cost of the items, and the total amounts of sales taxes paid. The rounding rules for sales tax are that for a tax rate of $n\%$, a shelf price of p contains $(np/100)$ rounded up to the nearest 0.05 amount of sales tax.

Write an application that prints out the receipt details for these shopping baskets...

INPUT

Input 1:

2 book at 12.49

1 music CD at 14.99

1 chocolate bar at 0.85

Input 2:

1 imported box of chocolates at 10.00

1 imported bottle of perfume at 47.50

Input 3:

1 imported bottle of perfume at 27.99

1 bottle of perfume at 18.99

1 packet of headache pills at 9.75

3 box of imported chocolates at 11.25

OUTPUT

Output 1:

2 book: 24.98

1 music CD: 16.49

1 chocolate bar: 0.85

Sales Taxes: 1.50

Total: 42.32

Output 2:

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1 imported box of chocolates: 10.50
1 imported bottle of perfume: 54.65
Sales Taxes: 7.65
Total: 65.15
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Output 3:

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1 imported bottle of perfume: 32.19
1 bottle of perfume: 20.89
1 packet of headache pills: 9.75
3 imported box of chocolates: 35.55
Sales Taxes: 7.90
Total: 98.38
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General requirements

- **Javascript** will be considered a preferential requirement but you may also use **PHP or Python** programming language. Use something that you know well.
- You must release your work with an OSI-approved open source license of your choice.
- You must deliver the sources of your application, with a README that explains how to compile and run it.
- Add the code to your own Github account and send us the link.

IMPORTANT: Implement the requirements focusing on **writing the best code** you can produce.