

# 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 that 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; this application should be written in Ruby [1] and use Rspec [2] to test inputs and the expected outputs. The output should be to standard out or CSV. The application is to be shared via a Github [3] repository link.

Proper object orientated design is important. Each row in the input represents a line item of the receipt.

## Input 1

Quantity	Product	Price
1	book	12.49
1	music cd	14.99
1	chocolate bar	0.85

## Input 2

Quantity	Product	Price
1	imported box of chocolates	10.00
1	imported bottle of perfume	47.50

## Input 3

Quantity	Product	Price
1	imported bottle of perfume	27.99
1	bottle of perfume	18.99
1	packet of headache pills	9.75
1	box of imported chocolates	11.25

# OUTPUT

## Output 1

```
1, book, 12.49
1, music CD, 16.49
1, chocolate bar, 0.85
```

```
Sales Taxes: 1.50
Total: 29.83
```

## Output 2

```
1, imported box of chocolates, 10.50
1, imported bottle of perfume, 54.65
```

```
Sales Taxes: 7.65
Total: 65.15
```

## Output 3

```
1, imported bottle of perfume, 32.19
1, bottle of perfume, 20.89
1, packet of headache pills, 9.75
1, imported box of chocolates, 11.85
```

```
Sales Taxes: 6.70
Total: 74.68
```

## Coding Style

Please follow the Ruby Coding Style Guidelines - <https://github.com/styleguide>

## References

- [1] <http://www.ruby-lang.org>
- [2] <https://www.relishapp.com/rspec/>
- [3] <https://github.com>