Sales Tax Developer Test

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. Sales tax is always rounded to the nearest £0.05.

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 amount of sales taxes paid.

Write an application that prints out the receipt details for a specified shopping basket.

Sample input/output

Scenario 1 – Input
1 book at £12.49
1 music CD at £14.99
1 chocolate bar at £0.85

Scenario 1 – Output
1 book: £12.49
1 music CD: £16.49
1 chocolate bar: £0.85
Sales Taxes: £1.50
Total: £29.83

Scenario 2 – Input
1 imported box of chocolates at £10.00
1 imported bottle of perfume at £47.50

Scenario 2 – Output
1 imported box of chocolates: £10.50
1 imported bottle of perfume: £54.65
Sales Taxes: £7.65
Total: £65.15

Scenario 3 – Input
1 imported bottle of perfume at £27.99
1 bottle of perfume at £18.99
1 packet of headache pills at £9.75
1 box of imported chocolates at 11.25

Scenario 3 – Output
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