**Definition**: Create a Tax Calculator that calculates the GST and import duty taxes for purchased products.

**Expectation**: The application should meet following requirements:

1. Write clean code.
2. Write unit test cases.
3. Program should give the output as mentioned in below program definition section.
4. Zip the entire solutions and send it. We should be able to compile the solution.
5. Commit your code to GitHub public repo.

**Rules:**

1. All items will attract 7% of GST except medicines and food items.
2. Imported item will attract additional 10% tax.
3. Rounding rules for tax: Rounded to the nearest 0.05 (shelf price).
   1. For example :
      1. 3.39 =>3.40
      2. 2.21=>2.25
      3. 3.49=>3.50
      4. 4.96=>5.00

**Input 1:**

|  |  |  |
| --- | --- | --- |
| Item | Quantity | Unit Price |
| Book | 1 | 17 |
| Cap | 1 | 45 |
| Sandwich | 1 | 19 |

**Output 1**(The table format here is for understanding only. You can print output on console too):

|  |  |  |
| --- | --- | --- |
| Item | Quantity | Calculated Price |
| Book | 1 | 18.20 |
| Cap | 1 | 48.15 |
| Sandwich | 1 | 19 |

Total tax = 4.35

Total amount: 85.35

**Input 2:**

|  |  |  |
| --- | --- | --- |
| Item | Quantity | Unit Price |
| Imported Book | 1 | 280 |
| Imported Cap | 2 | 115 |
| Imported Sandwich | 2 | 75 |
| Tee-shirt | 1 | 300 |

**Output 2:** (The table format here is for understanding only. You can print output on console too):

|  |  |  |  |
| --- | --- | --- | --- |
| Item | Quantity | Unit Price | Calculated Price |
| Imported Book | 1 | 280 | 327.6 |
| Imported Cap | 2 | 115 | 269.1 |
| Imported Sandwich | 2 | 75 | 165 |
| Tee-shirt | 1 | 273 | 292.15 |

Total tax = 120.85

Total amount: 1053.85