Sales Tax Calculation Problem Statement

Raghu is the logistics manager in a paper company. His company produces paper and sells them in different countries. As different countries have different sales tax, the price of paper varies in each country. Raghu is tasked to calculate the price of all products of his company in different countries.

Your task is to write a program, which Raghu can use to generate the final price of different products.

## Input

A CSV file with Product details:

**Headers**: Product-Name, Product-CostPrice, Country

## Output

Output file should be a CSV with the following fields:

**Headers:** Product-Name, Product-CostPrice, Product-SalesTax, Product-SalesTaxAmount, Product-FinalPrice, Country

**Note** :- For this task you can assume that all the countries have the same sales tax % on each product. But the tax % is different for each country.

Sales Tax Calculation Problem Statement - 2

As the previous product increased the efficiency of Raghu many folds, he was promoted to be a company wide logistics manager. He now wishes to sell these products to many new countries. As many countries have different taxes on different products. Raghu has the list of sales tax percentage which varies on product to product basis. Update the application to include the new requirements.

## Input

CSV 1 - product details

**Headers:** Product-Name, Product-CostPrice, Product-SalesTax-Percentage, Country

## Output

Output file should be a CSV with the following fields:

**Headers:** Product-Name, Product-CostPrice, Product-SalesTax-Percentage, Product-SalesTaxAmount, Product-FinalPrice, Country

Additional Requirements:

* Apply input and data validations
* Ensure that the code is dynamic as much as possible
* Ensure the code is broken into multiple functions
* Ensure proper error handling for the inputs

Sales Tax Calculation Problem Statement - 3

After the success of the previous product developed in Task 2, Raghu feels that he too should give back to the community. He wishes to make this product available to the open-source community. But in order to do so, the product should be available as an enterprise product. The code should be modular, and scalable.

The features remain the same, there is an input file which tells the sales tax percentage for different products and countries. And another input file with the product details. The output should be a CSV with updated columns.

Additional requirements:

* Code should be modular, scalable and reusable
* Different parts should be written in such a way that they can be reused not only in this project, but in other projects as well
* Code should be written in such a way that adding new features and functionality should have minimal impact on existing features
* Break the project in multiple files and functions as per their responsibility
* Proper validations for input data
* Error handling for input data and processing
* The project should have a readme