FINANCIAL STATEMENT ANALYSIS Homework Exercise

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colleagues from the Auditing department has asked you to help them assess the Scenario: You are a Data Scientist working for a consulting firm. One of your financial statement of organisation X.

You have been supplied with two vectors of data: monthly revenue and monthly expenses for the financial year in question. Your task is to calculate the following financial metrics:

- profit for each month
- profit after tax for each month (the tax rate is 30%)
- profit margin for each month equals to profit after tax divided by revenue
- good months where the profit after tax was greater than the mean for the year bad months - where the profit after tax was less than the mean for the year
- the best month where the profit after tax was max for the year
- the worst month where the profit after tax was min for the year

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All results need to be presented as vectors.

Results for dollar values need to be calculated with \$0.01 precision, but need to be presented in Units of \$1,000 (i.e. 1k) with no decimal points.

Results for the profit margin ratio need to be presented in units of % with no decimal points. Note: Your colleague has warned you that it is okay for tax for any given month to be negative (in accounting terms, negative tax translates into a deferred tax asset).

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HINT #2

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