Tip Calculator

Now that you have completed the lesson on Python syntax, it's time to practice your newfound skills. In this project, you will create a simple calculator that determines the price of a meal after tax and tip.

☑ Tasks	1/7 Complete

Mark the tasks as complete by checking them off

Declare your variables

1. You just finished eating at a restaurant, and received this bill:

   Cost of meal: $44.50

   Restaurant tax: 6.75%

   Tip: 15%

   You'll apply the tip to the overall cost of the meal (including tax). First, declare a variable called `meal` and assign it the value `44.50`.

2. Let's create a variable for the tax percentage.

   The tax on your receipt is 6.75%. You'll have to divide `6.75` by `100` in order to get the decimal form of the percentage.

   Create the variable `tax` and set it equal to the decimal value of 6.75%.

3. You received good service, so you'd like to leave a 15% tip on top of the cost of the meal, including tax.

   Before we compute the tip amount for your bill, let's set a variable for the tip percentage. We need to get the decimal form of the tip, so we divide `15.0` by `100`.

   Store this value in a variable called `tip`.

Do some calculations

4. We have the three variables we need to perform our calculation, and we know some arithmetic operators that can help us out.

   We saw in Lesson 1 that we can reassign variables. We could say:

   ```
   cash_in_wallet = 7
   ```

   then later change our minds and say:

   ```
   cash_in_wallet = 0
   ```

   Reassign `meal` to the value of itself + itself * `tax`.

   We're only calculating the cost of meal and tax here. We will add tip in the next step.

5. Now that `meal` has the cost of the food plus tax, create a variable `total` that is equal to `meal + meal * tip`.

6. Print out the value of `total`.

   Congratulations! You have calculated the value of your bill!