Assignment 1

You've just beasted a truly delicious meal of Spam and eggs. The diner's computer is down, however, so you'll need to compute the cost of your meal yourself.

Here's how it'll break down:

- Cost of meal: $44.50
- Restaurant tax: 6.75%
- Tip: 15%

You'll want to apply the tip to the overall cost of the meal (including tax).

1. Let's declare a variable `meal` and assign it the value `44.50`.
2. Let's create a variable `tax` for the tax percentage. The tax on your meal at this diner is 6.75%. Because we'll be multiplying with floats and not percentages, you'll have to divide `6.75` by `100` in order to get the decimal form of the number. Do you understand why?
3. You received good service at this dinner, so you'd like to leave a 15% tip on top of the cost of the meal (including tax). Let's set a variable `tip` for the tip. Again, this is a percentage, so you'll need to divide 15.0 by 100 in order to get the decimal form of the tip.
4. We've got the three variables we need to perform our calculation, and we know a bunch of arithmetic operators that will be able to help us out. Reassign `meal` to the value of `meal + meal * tax` (this will add the dollar amount of the tax to the cost of the meal). You're completely allowed to reassign a variable in terms of itself!
5. Now that `meal` points to the value of the cost of the food + tax, let's introduce a new variable `total` which is equal to the new `meal + meal * tip`.
6. Print `total`.