

# Luigi's Pizza - Practice

Luigi's code has some new elements we haven't seen before, so let's experiment a bit to figure out how it works! **Open the "Luigi's Pizza" starter file, click "Run", and try using the `cost` function in the Interactions window.**

1. What does `(cost "cheese")` evaluate to? \_\_\_\_\_
2. What does `(cost "chicken")` evaluate to? \_\_\_\_\_
3. What if you ask for `(cost "olive")`? \_\_\_\_\_
4. Explain what the function is doing in your own words.  
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5. What is the function's name? \_\_\_\_\_ Domain? \_\_\_\_\_ Range? \_\_\_\_\_
6. What is the name of its variable? \_\_\_\_\_
7. Luigi says pepperoni has gone up to \$11.75. Change the `cost` function to reflect this.
8. Try adding food items of your own. What's your favorite?
9. For an unknown topping, the function produces a String ("That's not on the menu!")  
Is this a problem? Why or why not?

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10. Suppose Luigi wants to calculate the price of the item including a 5% sales tax.

Draw a Circle of Evaluation for the expression below.