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? **9**

2. What does `(cost "chicken")` evaluate to? **11.25**

3. What if you ask for `(cost "olive")`? **"Sorry, that's not on the menu!"**

4. Explain what the function is doing in your own words.

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5. What is the function's name? **cost**   Domain? **String**   Range? **Number**

6. What is the name of its variable? **topping**

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.