

Alice's Restaurant - Practice

Alice'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 "Alice's Restaurant" starter file, click "Run", and try using the `cost` function in the Interactions window.**

1. What does `(cost "hamburger")` evaluate to? **6**
2. What does `(cost "pie")` evaluate to? **2.25**
3. What if you ask for `(cost "fries")`? **"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? **menu-item**
 7. Alice says onion rings have gone up to \$3.75. 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 Alice wants to calculate the price of the item including a 5% sales tax.

Draw a Circle of Evaluation for the expression below.

