

Alice's Restaurant - Explore

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.

5) What is the function's name? cost Domain? String Range? Numner

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 toppings of your own. What's your favorite?

9) For an unknown food item, the function produces a String (`"That's not on the menu!"`)

Is this a problem? Why or why not?

10) Suppose Alice wants to calculate the price of a hamburger, *including a 5% sales tax* . Draw a Circle of Evaluation for the expression below.

