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.

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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?

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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.