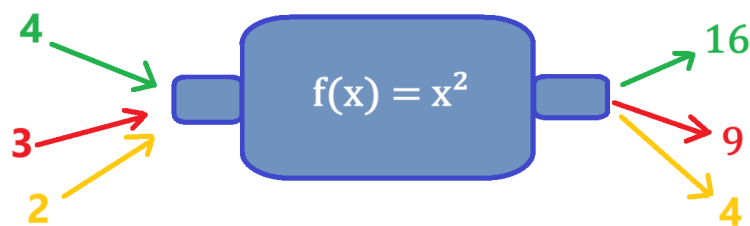


Functions and Debugging

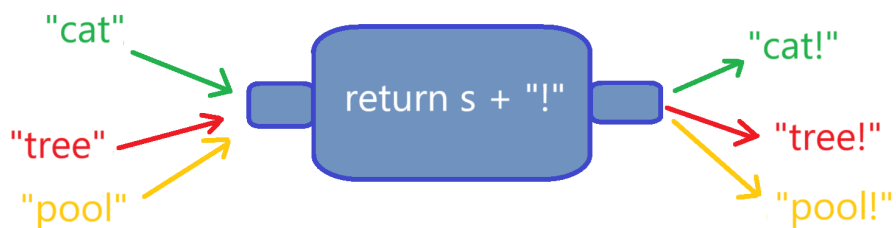
Programming Functions Are Like Math Functions

Think of math functions like $f(x) = 3x + 2$ or $f(x) = x^2$. We're often taught to see functions like machines that take inputs and churn out outputs.



[
This function takes in numbers and squares them.]

Programming functions are like that too! Imagine a function that takes in strings (English words) and adds an exclamation point to the end:



[
This function takes in strings and adds an exclamation point to the end.]